Goal: Discuss and determine a long term solution for managing dependencies that are not on Packagist.org

Context

- Tiki uses Composer to manage dependencies.
- Tiki hosts a Satis instance at: https://composer.tiki.org/
- Problem: not everything Tiki uses is available on Packagist.org and this forces us to maintain a long list at https://sourceforge.net/p/tikiwiki/code/HEAD/tree/trunk/doc/devtools/satis.json
- We want to get the code from the source, and avoid any 3rd parties (for security and timely updates)

Requirements

Essential

- Needs to work with Satis: https://composer.tiki.org/
- Take advantage of Semantic Versioning / Composer Stability Flags
- Not having to install NodeJS and NPM

Nice to have

- Supported by VersionEye: https://blog.versioneye.com/2015/09/20/support-for-composer-asset-plugin/

Note

- We should still try to get packages on Packagist.org because
  - The more the libs are visible and used, the better the odds for improved support

Options

- https://asset-packagist.org
- https://github.com/hiqdev/composer-asset-plugin
- https://github.com/php-kit/composer-bower-plugin
- https://packagist.org/packages/fxp/composer-asset-plugin
- https://packagist.org/packages/beelab/bowerphp
• use bower through node & npm (which we want to avoid)

**Pros & Cons Support List**

<table>
<thead>
<tr>
<th></th>
<th>composer-asset-plugin</th>
<th>composer-bower</th>
<th>bower through node &amp; npm</th>
</tr>
</thead>
<tbody>
<tr>
<td>is single command</td>
<td></td>
<td></td>
<td>no</td>
</tr>
<tr>
<td>is php only</td>
<td>yes</td>
<td></td>
<td>no</td>
</tr>
<tr>
<td>works with Satis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>supports Semantic Versioning / Composer Stability Flags</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>adds values in composer.json automatically</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>adds values in installed.json automatically</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Suggests for libraries that we can influence**

We have to offer ready to use and compiled files to packagist. But some developers don't like to place these files with source code, because it can generate a lot conflicts when working as a team. A very nice solution is to use Travis to build from source and upload files to release section on github. The following `.travis.yml` generate a jar file and upload it to github.


**Examples of libs unavailable from Packagist.org**

**Success**

- [https://github.com/fullcalendar/fullcalendar/issues/2999](https://github.com/fullcalendar/fullcalendar/issues/2999) solved
- [https://packagist.org/packages/fullcalendar/](https://packagist.org/packages/fullcalendar/)
- [https://github.com/Mottie/tablesoriter/issues/1355](https://github.com/Mottie/tablesoriter/issues/1355) solved
- [https://packagist.org/packages/mottie/tablesoriter](https://packagist.org/packages/mottie/tablesoriter)

**Requests**

These are in various states (in process, blocked by technical issue, or ignored)

- [https://github.com/cozy/ViewerJS/issues/1](https://github.com/cozy/ViewerJS/issues/1)
- [https://github.com/SVG-Edit/svgedit/pull/174](https://github.com/SVG-Edit/svgedit/pull/174)
- [https://github.com/Spreadsheets/WickedGrid/issues/4](https://github.com/Spreadsheets/WickedGrid/issues/4)
- [https://github.com/openannotation/annotator/pull/661](https://github.com/openannotation/annotator/pull/661)
- https://github.com/harvesthq/chosen/pull/2803
- https://github.com/openlayers/ol2/issues/1514

Refused
  - So maybe via
    - https://asset-packagist.org/package/search?query=codemirror&platform=bower%2Cnpm

Related links
- VersionEye
- Composer