Federation

This page is to document and brainstorm on what to use and improve Tiki in a federated context. Ex.: several Tiki instances need to work together somehow. (vs Workspaces within one Tiki). This includes SisterWiki, InterTiki and the Communication Center.

Xavier's thoughts

- My wish:
  - Workspaces were mature enough for that (like course in Moodle, etc). (Power) End user creates a new space, and everything works (like a jail) by default allowing full delegated perms inside but no extra perms outside.
  - However, I fear that Workspaces to be used in production by end users (not by experienced Tiki admins or power users) would need another effort of improvement, and probably, a Tiki Fest to gather and implement the ideas needed to be discussed and implemented in a common direction, etc.

- My implementation if I had little time and/or budget and I needed something like this?:
  - federation (separated Tikis) and switch / enable / improve current features for search, login, links, etc., as indicated below. And maybe reusing Multitiki if all the tikis require same version, and/or tweaks, design, maintenance, etc.

Existing features in Tiki

- Web Services
- Federated Search, including "Elasticsearch Tribe Node URL"
- Remote Tiki Autologin
- Content Authentication
  - Files Tracker Field
- External Wikis
- Tracker Synchronization
- Email - Mailing lists - Forum Synchronization
- LDAP Synchronization
- Webmail (IMAP/POP3) Synchronization
- InterTiki
- Communication Center Send and Receive Articles and wiki pages
- CDN
- Raw page display - shared wiki page content served as text/css file type resource so you can do things like federated Sister Sites Customizations with collaborative editing and version history - ideal for quick fixes and there is no more need for copy-pasting manually in Custom CSS textareas and making sure one is keeping the sites in sync...
- Wiki-plugins fetching remote content/wiki pages:
  - PluginHTMLFeed
  - PluginHTMLFeedLink
  - PluginSnarf
<table>
<thead>
<tr>
<th>Rating</th>
<th>Subject</th>
<th>Submitted by</th>
<th>Importance</th>
<th>Easy to solve</th>
<th>Priority</th>
<th>Category</th>
<th>Volunteered to solve</th>
<th>LastModif</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>⬤ ⬤ ⬤</td>
<td>Offline Tiki: add a way to save/view content offline</td>
<td>adjusted</td>
<td>3</td>
<td>3</td>
<td>9</td>
<td>• Feature request</td>
<td></td>
<td>2018-10-05</td>
<td>10 marclaporte-23 Jan 20</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤</td>
<td>InterWiki backlinks / SisterWiki / Extend External Wiki feature</td>
<td>Marc Laporte</td>
<td>4</td>
<td>2</td>
<td>8</td>
<td>• Feature request</td>
<td></td>
<td>2016-11-16</td>
<td>1 marclaporte-11 Aug 14</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤</td>
<td>Wiki Plugins to be able to fetch data from another Tiki instance (Federation)</td>
<td>Marc Laporte</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>• Feature request</td>
<td></td>
<td>2016-11-15</td>
<td>5 marclaporte-26 Oct 17</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤</td>
<td>Update Plugin Jabber to working state again</td>
<td>Xavier de Pedro</td>
<td>8</td>
<td>2</td>
<td>16</td>
<td>• Feature request</td>
<td></td>
<td>2018-03-16</td>
<td>3 marclaporte-16 Mar 18</td>
</tr>
<tr>
<td>⬤ ⬤ ⬤</td>
<td>Send/Receive wiki pages should offer an option to send the whole history</td>
<td>Marc Laporte</td>
<td>3</td>
<td>0</td>
<td></td>
<td>• Feature request</td>
<td></td>
<td>2008-10-27</td>
<td>1 marclaporte-29 Nov 13</td>
</tr>
<tr>
<td>Rating</td>
<td>Subject</td>
<td>Submitted by</td>
<td>Importance</td>
<td>Easy to solve?</td>
<td>Priority</td>
<td>Category</td>
<td>Volunteered to solve</td>
<td>LastModif</td>
<td>Comments</td>
</tr>
<tr>
<td>--------</td>
<td>---------</td>
<td>--------------</td>
<td>------------</td>
<td>----------------</td>
<td>----------</td>
<td>----------</td>
<td>---------------------</td>
<td>-----------</td>
<td>----------</td>
</tr>
<tr>
<td>★★☆☆☆</td>
<td>Palm Syncing</td>
<td>Marc Laporte</td>
<td>2</td>
<td>0</td>
<td>• Feature request</td>
<td>2008-10-06</td>
<td>pkdille-05 Oct 08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>★★☆☆☆</td>
<td>SisterWiki links between doc.tiki.org and dev.tiki.org</td>
<td>Marc Laporte</td>
<td>0</td>
<td>• Documentation (or Advocacy) • Community projects • Dogfood on a *.tiki.org site</td>
<td>2016-11-16</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>★★☆☆☆</td>
<td>Broadcast message body is empty</td>
<td>pabs_agro</td>
<td>4</td>
<td>0</td>
<td>• Error</td>
<td>2010-04-16</td>
<td>tbp-08 Nov 11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>★★☆☆☆</td>
<td>Send Wiki Pages XMLRPC erases remote host information when adding pages to send</td>
<td>amette</td>
<td>6</td>
<td>0</td>
<td>• Usability</td>
<td>2007-06-12</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Related use case

- Being able to share content between t.o websites, Something like (list of all new stuff in Tiki17):
  `{include page=tiki17 site=doc.tiki.org filter=h2,h3 truncate_char=70}`

- Advanced configs of trackers that are on master are replicated on the slaves: Data lives on slaves, and configs are taken from master (need migration scripts of certain changes) for the
  http://wikisuite.org/White-label-SaaS-platform
  https://suite.tiki.org/Tiki+Suite+F2F
  http://wikisuite.org/SaaS-platform-template
Sharing categories

- Some categories can be shared between sites. Ex.: main site has category list and some sister sites should mirror it.

See also

- IndieWeb Webmentions, etc.
- Microformats
- API
- Distributed data
- XMPP
- Notifications Revamp
- Solid

XMPP-related

- https://www.goffi.org/b/9555cc02-6a87-4b6b-af85-20f1c0736722/xmpp-based-tickets-merge-requests
  -with

Groups and permissions

- Group names should be shared between Tikis (like we do for *.tiki.org federation) to permit proper access control.

Related link

- https://github.com/WardCunningham/Smallest-Federated-Wiki
- https://datproject.org
- GitLab: Implement cross-server (federated) merge requests

alias

- Smallest Federated Wiki
- Communication Center