**WikiSuite Orchesturator**

WikiSuite Orchesturator helps manage a large number of WikiSuite instances.

- Deploy and manage software
- Deploy data and configuration
- Monitor
- Aggregate data
- Handle billing
- etc.

Status: planning phase

**Who is this for?**

<table>
<thead>
<tr>
<th>Who</th>
<th>Benefit / use case</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business incubators</td>
<td>Offer a platform to all your members, so they don't waste time / money on basic IT needs, and instead focus on their market differentiator</td>
</tr>
<tr>
<td>Enterprise and governments</td>
<td>Large organizations have thousands of systems and a lot of complexity. Diverse projects/systems can be made with WikiSuite (mostly with TikiTrackers.org). So needs are addressed with a consistent platform. projectABC.example.com, projectXYZ.example.com, etc.</td>
</tr>
<tr>
<td>Universities</td>
<td>Offer your professors and researchers secure collaboration spaces</td>
</tr>
<tr>
<td>Hosting companies</td>
<td>Offer usable and integrated software instead of &quot;just hosting&quot;</td>
</tr>
<tr>
<td>Specialized SaaS service provider</td>
<td>Ex.: a firm specialized in a vertical market like ISO compliance could deploy very focused WikiSuite instances for each project. To be combined with Tiki Profiles -&gt; SaaS platform template</td>
</tr>
<tr>
<td>Consultants and digital agencies</td>
<td>Quickly set up an instance for a client project</td>
</tr>
<tr>
<td>FLOSS / digital autonomy promotion associations (ex.: Framasoft, FACIL, etc.)</td>
<td>Promote FLOSS in a more integrated fashion than the current Framasoft setup</td>
</tr>
</tbody>
</table>

**High-level features**
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Deploy

- On-demand deployment of virtual machines with WikiSuite fully configured.

Current code (to be built on)
https://gitlab.com/wikisuite/virtualmin-installer/
https://doc.tiki.org/Tiki-Manager-Web-UI

Manage

- https://doc.tiki.org/Profiles

Monitor

- https://dev.tiki.org/Monitoring

Aggregate

WikiSuite **Orchestrator** will permit to deploy hundreds of WikiSuite instances. But what if we want to benefit from **network effects**? We need to think of the "**creep factor**".

Use cases

- Gather logs
  - For security purpose (ex.: attack logs)
    - These security logs can be aggregated and when bad behavior is detected for some of the instances, mitigation measures can be implemented for all instances.
    - To do things like this: https://www.siteground.com/blog/new-anti-bot-ai/
  - Marketing
    - Usage logs
  - Community
    - https://doc.tiki.org/Federated-Search

Billing

WikiSuite is Open Source and users are encouraged to self-host.

However, a portion of the community prefers a SaaS without vendor lock-in.

Thus, we need to be able to track usage and bill accordingly. Formulae have yet to be determined. Some options include

- Resources used (CPU, Disk space)
- Users in various groups (groups with more features have higher fee)
- Action (views, edits)
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- Data (number of pages, items, etc.)

**Backups**
Automatic, Incremental, off-site and with some sort of test / alerting if something's not right (ex.: disk full)

**Tiki instance to manage**
- Project / customer list
- Domain name (use own or a provided sub-domain)
- Access (passwords, public keys)
- Payment
- Monitoring? (probably better to handle from another system)
- Registration
- Launch request for services

**Priorities**
- Let's start with Virtualmin, Tiki, Syncthing, Elasticsearch and Openfire.
- Then, the others

**Brainstorming for the future**

<table>
<thead>
<tr>
<th>What / where</th>
<th>Marketing</th>
<th>Security</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>WikiSuite instances</td>
<td><strong>Web Analytics</strong></td>
<td><strong>IDS data aggregation</strong></td>
<td><strong>ALM</strong></td>
</tr>
<tr>
<td>Open Web</td>
<td><strong>Media Intelligence</strong> and <strong>Competitive intelligence</strong></td>
<td><strong>Gateway Antiphishing</strong></td>
<td><strong>n/a</strong></td>
</tr>
<tr>
<td>Client devices</td>
<td><strong>n/a</strong></td>
<td><strong>VPN</strong></td>
<td><strong>MDM like Flyve MDM</strong></td>
</tr>
</tbody>
</table>


**Related**
- How to build a system to demo WikiSuite
- SaaS platform template
WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

- Mist

alias

- Aggregator
- Orchestration