

WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

# WikiSuite Orchestrator

WikiSuite Orchestrator will help manage a large number of WikiSuite instances.

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

Status: planning phase for big picture, while some components are mature. Ex.: [Tiki Manager](#)

## Who is this for?

Who	Benefit / use case
Business incubators	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
Enterprise and governments	Large organizations have thousands of systems and a lot of complexity. Diverse projects/systems can be made with WikiSuite (mostly with <a href="#">TikiTrackers.org</a> ). So needs are addressed with a consistent platform. <a href="#">projectABC.example.com</a> , <a href="#">projectXYZ.example.com</a> , etc.
Universities	Offer your professors and researchers secure collaboration spaces
Hosting companies	Offer usable and integrated software instead of "just hosting"
Specialized SaaS service provider	Ex.: a firm specialized in a vertical market like ISO compliance could deploy very focused WikiSuite instances for each project. To be combined with <a href="#">Tiki Profiles</a> -> <a href="#">SaaS platform template</a>
Consultants and digital agencies	Quickly set up an instance for a client project
FLOSS / digital autonomy promotion associations (ex.: <a href="#">Framasoft</a> , <a href="#">FACIL</a> , etc.)	Promote FLOSS in a more integrated fashion than the current Framasoft setup

## High-level features

### Deploy

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

Current code (to be built on) and brainstorming

WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

- <https://gitlab.com/wikisuite/virtualmin-installer/>
- <https://doc.tiki.org/Tiki-Manager-Web-UI>
- <https://wikisuite.org/PHP-code-for-Virtualmin>
- <https://dev.tiki.org/Tiki-and-Virtualmin-interop>

## 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, etc.)
- Data (number of pages, items, etc.)

WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

## 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, Synching and Openfire.
- Then, the others

## Brainstorming for the future

What / where	Marketing	Security	Management
WikiSuite instances	<a href="#">Web Analytics</a>	<a href="#">IDS data aggregation</a>	<a href="#">ALM</a>
Open Web	<a href="#">Media Intelligence and Competitive intelligence</a>	Email Antiphishing	n/a
Client devices	n/a	VPN	<a href="#">MDM like Flyve MDM</a>

[https://en.wikipedia.org/wiki/Machine\\_learning](https://en.wikipedia.org/wiki/Machine_learning) is now in Tiki: [Machine Learning](#)

## Related

- <https://github.com/hslatman/awesome-threat-intelligence/blob/master/README.md>
  - <http://www.computerworld.com/article/3125121/security/meet-apache-spot-a-new-open-source-project-for-cybersecurity.html>
- [How to build a system to demo WikiSuite](#)
- [SaaS platform template](#)
- [Mist](#)

alias

- [Aggregator](#)

WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

- [Orchestration](#)