

ClearOS development

Big picture discussion

1. We want ClearOS to be a better platform to manage multiple PHP-powered websites, to be a more interesting platform to host websites and attract web developers (aka the [ClearOS web server app](#)). On a typical WikiSuite installation, there will be at least one Tiki instance and, most likely, another one for testing / development. We don't need to be an advanced platform to manage shared hosting (like ISPConfig is with billing, resellers, etc.) but some things should be better.
2. We want ClearOS to be a great [development environment](#) for all apps in WikiSuite, starting with [Tiki Wiki CMS Groupware](#). So Tiki developers can develop on and go to production on the same platform.
3. See: [ClearOS App Development](#)
4. [How to build a system to demo WikiSuite](#)
5. Roadmap for the email / webmail system in WikiSuite
6. Make apps for each component (Elasticsearch and Kibana, FusionPBX (including FreeSWITCH), Kimchi (including KVM), Openfire Meetings (including Jitsi Meet), Syncting, Tiki Wiki CMS Groupware, Xibo, and WikiSuite as a meta app)
7. Others issues listed below

Task tracker

	Description	Assigned to	Priority
●	Create ClearOS app for TRIM, from which to install Tiki		2
🕒	Fail2ban should be checked in clearos (attack detector) to ensure the correct param are set to prevent more than just a few (<10) connection attempts		2
●	WikiSuite development environment		2
🕒	Implement Multi-factor authentication (MFA) for all apps		2
●	WikiSuite demo instance (refreshed periodically)		2
●	Make app-kimchi Check and Fix Missing KVM Settings		2
●	ClearOS in Gateway Mode Refuses to Route KVMs		2
●	Create ClearOS app for WikiSuite		3
●	Mailing lists without Mailman, using only Tiki and ClearOS groups		3

WikiSuite: The most comprehensive and integrated Free / Libre / Open Source enterprise software suite ever developed

	Description	Assigned to	Priority
●	Extend Syncthing in WikiSuite to offer the functionality of Seafiler, OwnCloud, etc. (ClearOS, Tiki and Syncthing interoperability)		3
●	Files on disk (can be in ClearOS's FlexShare and or Syncthing) to be accessible to Elasticsearch and Tiki		3
●	Document logging, monitoring and alerting options		4
●	WikiSuite Orchestrator		4
●	Test FusionPBX with SQLite		4
●	Xibo support on CentOS 7.x (ex.: via Docker)		4
●	Investigate for a solution to permit self-hosting without a fixed IP address (such as PageKite)		4
●	Create ClearOS apps for FusionPBX and FreeSWITCH		5 (low)
●	Test and document the Jitsi - Tiki provisioning in the context of WikiSuite		5 (low)
●	Access ClearOS/OpenLDAP address book from Jitsi (Test and document)		5 (low)
●	ClearOS content filters applied to Tiki content to detect posting of bad content		5 (low)
●	Use Tiki categories and/ or tags outside of Tiki (ex.: Emails, Files, etc.)		5 (low)
●	FusionPBX / FreeSWITCH access to ClearOS OpenLDAP / Tiki address book		5 (low)
●	Tiki Newsletters and Cyrus IMAP interoperability		5 (low)
●	IMAP folder tracker field type		5 (low)
●	Users / groups / permissions for ClearOS interop with Kimchi		5 (low)
●	Investigate tools to facilitate management on the command line		5 (low)
●	Attack detector (Fail2ban) for ClearOS: add more info and options to admin panel		5 (low)
●	Look into https://reproducible-builds.org		5 (low)

Closed

	Description	Assigned to	Priority
✘	Make development plan with ClearOS core team	Marc Laporte	1 (high)
✘	Create ClearOS app for Openfire Meetings	guus.der.kinderen	2
✘	run mysql_secure_installation in unattended mode at wikisuite install time (after mariadb)		2
✘	ClearOS Web Server: When creating or editing a web space, it should be possible to pick PHP versions (7.1 vs 7.0 vs 5.6)		2
✘	ClearOS: better segmentation of web spaces (permissions, data storage, etc.)		2
✘	Picking PHP Version for Crontab Scripts		2
✘	Make sure ClearOS-Tiki-LDAP all play nice together (create a new LDAP bind type for ClearOS)		3
✘	Create ClearOS app for Syncthing		4
✘	Create a Kolab app for ClearOS		4
✘	Done: Create ClearOS app for Kimchi (incl. KVM)		4
✘	Create ClearOS app for Matomo		5 (low)
✘	Document how to configure Content Delivery Network for Tiki and ClearOS	Marc Laporte	5 (low)

Questions

- Should work for PHP-CLI. Or if too much work, should be quite recent (like PHP 5.6) because some of the PHP-CLI apps don't run on PHP 5.3 Solved in latest version of PHP engines.
- How about override of php.ini? and httpd.conf?
- /var/www/error
 - Why do I have Content-language: cs Content-type: text/html; charset=ISO-8859-2 ?
 - How to override for /var/www/virtual ?
- How could [Tiki Remote Instance Manager \(TRIM\)](#) create new websites via the API (instead of GUI)

Tracked on ClearOS tracker

- [0001260: Add Global Address Book app](#)
- [0007921: SSL / HTTPS: Generate Certificate Signing Request \(CSR\) certificates from the GUI fixed](#)
- [0007491: SSL / HTTPS: Certificate Manager add support for intermediate certificates fixed via <https://github.com/clearos/app-certificate-manager/commit/6bed4429f6143fc8691b0701bd2fd87fd3759f9a>](#)
- [0005242: Add ability to set / override php.ini settings such as upload_max_filesize through the GUI](#)
- [0005232: Add ability to set MySQL settings such as max_allowed_packet through the GU resolved](#)
- [0007571: Default setting for PhpMyAdmin should permit much larger uploads fixed](#)
- [0002098: PHP: Setting default_charset to an empty value is not recommended. fixed](#)
- [0001855: How to deal with PHP apps which can be updated via the web interface by the admin user?](#)
- [0000746: Add GUI to cron manager](#)
 - Alternative is to add app-specific cron jobs in each app, so the end user just picks the task and frequency. But this won't really work well when you want to install multiple instances of an app (because apps focus on the normal use case of just one instance).
 - See also: <https://github.com/clearos/app-tasks>
- [0001830: Tiki and other web apps: make sure Incoming firewall ports are open](#)
- [0002206: Check validity of domain name](#)
- [0001761: DNS aliases should be visible in list mode](#)
- [0001941: Title of admin panel reports "localhost.localdomain" even though a domain has been set \(it's just a cosmetic issue, as the data is OK but just in cache\)](#)

Other ideas

- HTTPS / SSL: Great results by default on <http://ssl-checker.online-domain-tools.com/> and <https://www.ssllabs.com/ssltest/>
- how can we tweak the params for the attack detector (fail2ban) through the ClearOS UI? I mean, indicate which number of attempts are the threshold, and for how long they are banned.
- Make list of all subdomains in use, and by which application
 - wildcard subdomain: do nothing or redirect to example.org Ref: http://en.wikipedia.org/wiki/Wildcard_DNS_record
- OpenLDAP to integrate well with all apps
 - [Openfire](#): works well so far
 - [Tiki](#) (some issues still)
 - http://www.clearfoundation.com/docs/developer/framework/tutorials/hello_world
- Add public SSH key in the GUI to provide login access
- feature redirect:
 - redirect subdomain to another or to a directory
 - redirect directory (ex.: /webmail) to another ot a domain name (ex.: webmail.example.org)

WikiSuite: The most comprehensive and integrated Free / Libre / Open Source enterprise software suite ever developed

Other notes

- To participate to the ClearOS wiki
 1. Go to <https://www.clearos.com> and click on the top right login and proceed to login to the Community Forums.
 2. Once logged in, navigate here: <https://www.clearos.com/dokuwiki2/doku.php?id=start> It will get you the 'behind Joomla' Dokuwiki access where you can then edit/create pages.

Related links

- <https://docs.clearos.com/en>
- <https://www.clearos.com/clearfoundation/social/community-dashboard/entry/princess-and-the-clearos-module-part-1-of-4>
- <https://www.clearos.com/clearfoundation/social/community-dashboard/entry/princess-and-the-clearos-module-part-2-of-4>
- <https://www.clearos.com/clearfoundation/social/community-dashboard/entry/princess-and-the-clearos-module-part-3-of-4>
- <https://www.clearos.com/clearfoundation/social/community-dashboard/entry/princess-and-the-clearos-module-part-4-of-4>

alias

- [Multiple versions of PHP on ClearOS](#)
- [Make-ClearOS-a-better-platform-to-manage-multiple-PHP-powered-websites](#)