How to install Tiki with TRIM

Tiki Remote Instance Manager has been superceded by Tiki Manager.

2021-07-20: WikiSuite will now support all major Linux distros. Thus, the information below is no longer updated. It may still be valid, or not. It will be eventually removed from this site, so anything relevant should be moved to the appropriate site. For anything related to ClearOS, please search among the following: ClearOS site, code base, Developer docs, Wiki or forum.

Please contact us if you would like to help out.

Note: This is replaced by https://doc.tiki.org/How-to-install-Tiki-Manager-on-ClearOS

We are actively working on building a Tiki Manager app for ClearOS to turn this into a much simpler install process like we already have for Kimchi, Elasticsearch, Openfire and Syncthing. But for now, you need to install as explained below, which is easy if you have experience in installing web applications.

Instead of using TRIM, you may want to install manually: How to install Tiki Wiki CMS Groupware on ClearOS

TRIM is the Tiki Remote Instance Manager. It permits to handle many tasks (install, update, backup, check security, etc.) with minimum effort. While TRIM is designed to manage Tikis remotely, it can also manage on the same server. Full documentation is available at https://doc.tiki.org/TRIM

This document will guide you to do some of the main operations in the context of WikiSuite (and thus, TRIM on ClearOS). So instead of installing Tiki directly, you install TRIM and use it to install one or many Tiki instances. You'll likely also be interested in TRIM and Syncthing for automated offsite backups

Assumptions

- This document assumes you know basic Command Line Interface (CLI)
- You have already set up your server properly to install one Tiki instance as per How to install Tiki Wiki CMS Groupware on ClearOS
Setup TRIM

Requirements
TRIM requires PHP 5 and the make command. Here is a tool to check server has all the dependencies:
https://doc.tiki.org/Server-Check

On ClearOS, you should do the following:

- How to install a PHP version picker on ClearOS and then, you can pick the PHP version as per the Requirements
- How to install MariaDB on ClearOS
- Firewall: You should allow HTTP (port 80) and HTTPS (port 443): How to configure your Firewall on ClearOS
- How to install Subversion (SVN) client on ClearOS
- How to install Rsync on ClearOS
- How to install bzip2 on ClearOS

Installation

Create directory

```bash
mkdir /var/local/trim
```

Move to this new directory

```bash
cd /var/local/trim
```

Install TRIM in current directory

```bash
svn co https://svn.code.sf.net/p/tikiwiki/code/trim .
```

As of 2018-10-20, TRIM requires more than the default PHP 5.4, so you need to set to PHP 7.1, but this will be reverted, and Tiki Manager will require PHP 7.1 (Tiki Manager is like TRIM 2.0)

Set this directory to use PHP 7.1

```bash
nano .phpenv
```

Type `71`, and then exit (with save)
If you wanted PHP 5.6, you'd indicate `56`, and PHP 7.0 is `70`

For websites, you just pick this value in the web interface. But since this is a non-web accessible directory, it is done manually

Set up websites on ClearOS

It is important that your Tiki site **not** be the default website because TRIM's defaults are to use virtual domains. The first website is in `/var/www/html` and the following ones has this pattern:
WikiSuite: The most comprehensive and integrated Open Source enterprise solution.

/var/www/virtual/example.org/html/

- How to set up websites on ClearOS

**make instance**

- See also [https://doc.tiki.org/TRIM#make_instance](https://doc.tiki.org/TRIM#make_instance)

To create an instance, you need to type: make instance

pick local

you'll need the MariaDB root password

**Updating or upgrading**

[https://doc.tiki.org/TRIM#make_update](https://doc.tiki.org/TRIM#make_update)
[https://doc.tiki.org/TRIM#make_upgrade](https://doc.tiki.org/TRIM#make_upgrade)