

# User manual

## Git-Remote-Mediawiki, Test environment



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14 juin 2012

## Introduction

This manual describes how to install the git-remote-mediawiki test environment on a machine with git installed on it.

## Prerequisite

### 1 Get the sources

To be able to run this test environment you first need to get the sources developped in our project.

To do so, see the following git-hub : <https://github.com/Fafinou/git/>.

Then, get the Master branch to apply our main five patches. You are now able to run our git-remote-mediawiki test environment.

### 2 Packages required

In order to run this test environment correctly, you will need the following packages.

- php5-cli
- lighttpd
- php5-cgi
- php5
- php5-curl
- php5-sqlite

## Run the test environment

### 3 Install a new wiki

Once you have all the prerequisite, you are able to use the git-remote-mediawiki test environment. First, you need to install a wiki on which you can test your future modification to git-remote-mediawiki. To do so, execute the following.

- go into the contrib/mw-to-git/t/ directory
- Edit the file test.config. You may choose several installation parameters.
- run ./install-wiki.sh install
- check on your favourite web browser if your wiki is correctly installed

### 4 Remove an existing wiki

Simply edit the file test.config to fit the wiki you want to delete, and execute the command ./install-wiki.sh delete into the contrib/mw-to-git/t directory.

## 5 Run the existing tests

The furnished tests are currently in the `contrib/mw-to-git/t` directory. The files are all the `t936*` shell scripts.

**Run all tests** To do so, simply go into the `contrib/mw-to-git/` directory, and do `Make test`.

**Run a specific test** To run a given test `test_name`, go into the `contrib/mw-to-git/t` directory and run `./test_name`.

## Create new tests

### 6 Available functions

The test environment of `git-remote-mediawiki` provides you some functions useful to test the behaviours of `git-remote-mediawiki`. for more details about function's parameters, please refer to the `test-gitmw.pl` file.

**test\_check\_wiki\_precond** Checks if the tests must be skipped or not. Please use this function at the beginning of each new test file.

**wiki\_getpage** Fetchs a given page from the wiki and puts its content in the directory in parameter.

**wiki\_delete\_page** Deletes a given page from the wiki.

**wiki\_edit\_page** Creates or modifies a given page in the wiki. You can specify several parameters like a summary for the page edition, or add the page to a given category. Please, see `test-gitmw.pl` for more details.

**wiki\_getallpage** Fetchs all pages from the wiki into a given directory. The directory is created if it does not exists.

**test\_diff\_directories** Compares the content of two directories. The content must be the same. Use this function to compare the content of a git directory and a wiki one created by `wiki_getallpage`.

**test\_contains\_N\_files** Checks if the given directory contains a given number of file.

**wiki\_page\_exists** Tests if a given page exists on the wiki.

`wiki_reset` Reset the wiki, ie flush the database. Use this function at the beginning of each new test.

## 7 How to write a new test

Please, follow the standard given by git. See `git/t/README`.

Name your new file `t936[...].sh`. Be sure to reset your wiki regularly with the function `wiki_reset`