User manual
Git-Remote-Mediawiki, Test environment

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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 beggining 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 begining 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 regulary with the function `wiki_reset`