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1 git-dotfiles: Store \$HOME dot-files in Git

1.1 Activating git-dotfiles To Manage Your \$HOME

Check out the "bare" (.git directory) of `pjkundert/git-dotfiles` Git repo to `~/.git-dotfiles`:

```
git checkout --bare git@github.com:pjkundert/git-dotfiles.git .git-dotfiles
```

To activate, first create the `git-dotfiles` alias, and configure it to not show untracked files (the rest of the contents of your `$HOME` directory!):

```
alias git-dotfiles='git --git-dir=$HOME/.git-dotfiles --work-tree=$HOME'  
git-dotfiles config --local status.showUntrackedFiles no
```

See how your current home directory's dot-files configuration compares:

```
git-dotfiles status
```

If this is a freshly created, you'll probably see that your home directory is probably missing a bunch of `.alias`, `.bashrc`, ... files:

```
$ git-dotfiles status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted:    .alias
    deleted:    .bash_profile
...
```

So, if you're satisfied, just reset your home directory's dotfiles to the contents of the master branch's HEAD, to install all these files:

```
git-dotfiles reset --hard HEAD
```

Otherwise, if you have some custom content in some eg. `.bashrc` files that you want to integrate, you could **stash** save them, reset to the recommended baseline, and then **stash** apply your custom stuff onto the baseline:

```
git-dotfiles stash save
git-dotfiles reset --hard HEAD
git-dotfiles stash apply
```

1.2 Use \$HOME/.bash_personal for Private Configurations

For API tokens, etc., put them in `.bash_personal`. This file will not be stored in the `git-dotfiles` Git repo.

2 Nix Enviroment via nix-env

Install Nix:

```
$ sh <(curl -L https://nixos.org/nix/install)
```

Use the `nix-env-update` alias to update your system to the current set of targets in `env.nix`.

A (partial) replacement for `homebrew` is provided by the `$HOME/env.nix` file. List any desired Nix targets here to have them added to your `$HOME/.nix-profile/bin`.

3 References

3.1 Dot-file Configuration

This implementation was derived from:

3.1.1 <https://atlassian.com/git/tutorials/dotfiles>

Provides a way to have a Git managed `$HOME` directory.

- Changed the `git` alias for accessing the Git repo to `git-dotfiles`

3.2 Nix

3.2.1 <https://nixcademy.com/posts/nix-on-macos/>

General Nix functionality on macOS.

3.2.2 <https://checkoway.net/musings/nix>

Sensibly manage the Nix defaults used by `nix-env`, etc.

3.2.3 <https://nixos.org/manual/nixos/stable/#module-services-emacs>

Provision a specific version of Emacs and any modules required.

3.2.4 <https://nixos.wiki/wiki/TeXLive>

Integrated this approach to provisioning texlive into `emacs.nix`.