Branch: **master** ▾ **libgit2** / emscripten_hacks / **README.md**

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A hack to build libgit2 with emscripten and run in the browser

The build-setup here is tested with Ubuntu 16.04 and latest emscripten sdk (1.37.9)

First of all you need to source the emscripten sdk:

```
source /home/ubuntu/emsdk_portable/emsdk_env.sh
```

Then go into the jsbuild folder and run the build shell script:

```
cd emscripten_hacks
sh build.sh
```

You should end up with a libgit2.js file in your jsbuild folder.

In your webserver you should map the jsbuild folder to e.g. https://yourhost/libgit2 so that when you navigate to this URL you'll get the index.html page in that jsbuild folder.

Because of CORS restrictions in the browser you cannot read from github directly from another domain. You need to add a proxy on your web server. E.g. for Apache you'd use a ProxyPass directive like this:

```
ProxyPass /pathto/mygitrepo.git/ https://github.com/pathto/mygitrepo.git/
ProxyPassReverse /pathto/mygitrepo.git/ https://github.com/pathto/mygitrepo.git/
```

When testing with the index.html file included here you should open the web console which will prompt "ready" when loaded. Remember to switch to the libgit2 webworker for typing commands in the console.

Type the commands:

```
window.jsgitinit();
window.jsgitclone("https://github.com/pathto/mygitrepo.git","mygitrepo");
```

You'll see the git clone process starts. This is not a small repository so it takes some time.

When the clone is done you can list the folder contents by typing:

```
FS.readdir("mygitrepo")
```

A simple demonstration video can be seen here: https://youtu.be/rcBluzpUWE4