

From: Chris Hathhorn hathhorn@gmail.com
Subject: Re: [mu-chaco/ReWire] Bills (#58)
Date: July 25, 2016 at 9:43 PM
To: Harrison, William L. harrisonwl@missouri.edu



Note that judging by the loadpath, that doesn't look like it's in a sandbox (otherwise ".cabal-sandbox" should be somewhere in the path). Not sure what happened there.

But it's that auto-generated paths file that cabal makes that's screwing it up. I guess you either need to do the "cabal install" step or else use "cabal run".

I'd start over though:

```
[in the rewire root directory, with ReWire.cabal]
$ cabal sandbox delete
$ cabal clean
$ cabal sandbox init
$ cabal install --dependencies-only
$ cabal install
$ ./cabal-sandbox/bin/rwc -d -o crud.vhd records.hs
```

When you just make a change to some rewire source file, you should be able to rebuild + rerun things with either:

```
$ cabal install
$ ./cabal-sandbox/bin/rwc -d -o crud.vhd records.hs
```

or

```
$ cabal run -- -d -o crud.vhd records.hs
```

With stack, this is all simplified a bit because it basically uses sandboxes by default and doesn't require the extra "install the damn dependencies" step because it's smart like that:

```
$ stack build
$ ./stack-work/dist/...../rwc -d -o crud.vhd records.hs
```

or

```
$ stack install
$ [wherever stack says it installed rwc]/rwc -d -o crud.vhd records.hs
```

And to get a ghci prompt in stack it's:

```
$ stack ghci
```

Chris

On Mon, Jul 25, 2016 at 7:02 PM, Harrison, William L. <harrisonwl@missouri.edu> wrote:
Hi Chris,

Here's what I get after uttering those incantations you sent me:

```

$ ls
LICENSE
cabal.sandbox.config  lib
README.md
cruft records.hs
ReWire
dist rwc
ReWire.cabal
doc stack.yaml
Setup.hs
examples test
$ ./dist/build/rwc/rwc -d -o crud.vhd records.hs
loadpath: ./Users/bill/Library/Haskell/share/ghc-7.10.3-
x86_64/ReWire-0.2.0.0/lib
Prelude.hs:
    Error: File not found in load-path
$ ./dist/build/rwc/rwc -d -o crud.vhd ./records.hs
loadpath: ./Users/bill/Library/Haskell/share/ghc-7.10.3-
x86_64/ReWire-0.2.0.0/lib
Prelude.hs:
    Error: File not found in load-path
$

```

It seemed unlikely that this not working was the product of any changes in the code I made in the Bills branch, so I tried the same incantations in a copy of the main branch that I checked out and I got the same results. Is there something I'm missing?

Thanks again for answering my stupid questions,
Bill

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<http://mu-chaco.github.io/ReWire/>
<https://cal.berkeley.edu/william.harrison>
<https://github.com/harrisonwl>

On Jul 25, 2016, at 4:31 PM, Chris Hathhorn <hathhorn@gmail.com> wrote:

On Mon, Jul 25, 2016 at 4:10 PM, Harrison, William L. <harrisonwl@missouri.edu> wrote:
 OK, one more really stupid question. Surely, there must be some way to run the compiler from the particular copy of the repo that doesn't involve completely reinstalling the compiler in /usr/local/bin. Can I run it from GHCi? Derp...

I guess you could run the particular function from ghci. Otherwise, I usually use cabal sandboxes or stack. So:

```
$ cabal sandbox init
```

```
$ cabal sandbox init
$ cabal install --dependencies-only
$ cabal build
$ ./dist/build/rwc/rwc "rwc options"
(or: $ cabal run "rwc options")
```

Chris

