


tm-ghci ::  → 

A $\text{\TeX}_{\text{MACS}}$ plugin for running GHCi sessions.

1 Installing

1.1 From release files

The release archives contain statically linked files, which makes it possible to interact with different versions of GHCi.

To install, uncompress the archive for your OS at $\text{\$TEXMACS_PATH}/\text{plugins}/$ (usually $\text{/usr/share/TeXmacs/plugins/}$ in LINUX, $\text{<TeXmacs-install-dir>\plugins\}$ in WINDOWS) or $\text{\$TEXMACS_HOME_PATH}/\text{plugins}/$ ($\text{\$HOME/.TeXmacs/plugins/}$ in LINUX or $\text{\%UserProfile\%AppData\Roaming\TeXmacs\plugins\}$ in WINDOWS.)

ghci needs to be in the system PATH for the plugin to work.

The plugin is rather simple — mostly forwarding input and output. The resulting interaction and evaluation facilities are all $\text{\TeX}_{\text{MACS}}$'s.

1.2 Building and installing from source

Building the plugin requires a **bash**-style shell and a HASKELL distribution (GHC 9.2.5 or later.) In WINDOWS, this means installing HASKELL through GHCUP and setting up an MSYS2 directory, then installing the development packages so that **make**, **strip** and other required utilities will be available.

Installing is simple. In your shell prompt, just **cd** to the **ghci** folder and type:

```
make deploy
```

Which takes care of compiling and installing the plug-in in the appropriate directory ($\text{\$TEXMACS_HOME_PATH}/\text{plugins.}$)

While this should be sufficient, this software is still in alpha phase, and it's only been tested in WINDOWS 10 and ARCH LINUX. I don't own a MACOS system, so I'm unable to provide the respective package.

2 Features and Limitations

`tm-ghci` is *alpha*-stage software, distributed *as-is*.

Presently, it's able to run a vanilla `ghci` session, i.e., without project dependencies autoloaded as with `stack repl` or `cabal repl`.

3 Licensing

`tm-ghci` is distributed under the GPL3 license.

4 Issues

Please submit an issue if you find one. Bug reports must include the steps required to reproduce the error.

You can also send any feedback to *10951848+nopeCubOfJudahsLion* at *users.noreply.github.com*.

5 Thanks to

- *The TeXmacs developers* for giving us such a magnificent tool.
- *Massimiliano Gubinelli* for setting me straight on the help file mechanism for plug-ins.