

# Stack & hpack

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# **Stack**

## **Haskell build tool for developers**

# Stack - Installing

```
curl -L https://github.com/commercialhaskell/stack/releases/download/v0.1.4.0/stack-0.1.4.0-x86_64-linux.tar.gz | tar xz -C ~/.local/bin;  
echo 'export PATH=$HOME/.local/bin:$PATH' > .bashrc
```

or on OS X

```
curl -L https://github.com/commercialhaskell/stack/releases/download/v0.1.4.0/stack-0.1.4.0-x86_64-osx.tar.gz | tar xz -C ~/.local/bin;  
echo 'export PATH=$HOME/.local/bin:$PATH' > .bashrc
```

# Stack - Running

```
stack install hpack
```

**Demo**

# **hpack**

**An alternative format for Haskell packages**

# hpack

*hpack* is developed by Simon Hengel. And this part is based on his talk: <http://typeful.net/talks/hpack>.

- Is based on YAML
- Generates Cabal files
- Infers module names
- Removes redundancy
- Provides some sugarcoating
- Gives you 100% control
- Not feature complete

**Demo**



# Stack

- Multipackage projects
- Uses Stackage snapshots by default
- Shares dependencies
- May install ghc and other tools for you

QA

# Glossary

- *Cabal* - A Common Architecture for Building Applications and Tools - The Spec
- Cabal - the library implementing *Cabal* - The library
- cabal-install - the command line tool using Cabal - The tool
- cabal - the executable provided by cabal-install
- *Stack* - the Haskell Tool Stack
- stack - the executable of *stack*
- *Hackage* - the Haskell community's central package archive of open source software.
- *Stackage* - Stackage is a stable source of Haskell packages.
- *Stackage snapshot* - A set of packages guaranteed to build together (and pass tests).