# direnv Per-directory environments

## CONCEPTS

direnv loads .envrc when you cd in and unloads it when you leave. It must be allowed first, and again after every edit.

**cd into dir** shell prompt
↓ hook
**Find .envrc** checks allow list
↓ allowed?
**Run in bash** stdlib available
↓ export diff
**Shell env** restored on leaving

The .envrc runs in bash, whatever your interactive shell is. Aliases and functions cannot be exported this way.

## SETUP

**eval "$(direnv hook bash)"**
Hook for bash (end of ~/.bashrc)

**eval "$(direnv hook zsh)"**
Hook for zsh (end of ~/.zshrc)

**direnv hook fish | source**
Hook for fish (config.fish)

**direnv version**
Print the installed version

**~/.config/direnv/direnv.toml**
Global config file

## TRUST

**direnv allow** [*<path>*]
Trust and load an .envrc

**direnv deny** [*<path>*]
Revoke trust for an .envrc

**direnv edit** [*<path>*]
Open in $EDITOR, allow on save

**direnv allow .env**
Trust a .env file

## INSPECT AND RUN

**direnv status**
Show loaded file and allow state

**direnv reload**
Trigger a reload

**direnv exec** *<dir>* *<cmd>*
Run a command under that dir's env

## ENVIRONMENT (.ENVRC)

**export** *<NAME>*=*<value>*
Set a variable

**PATH_add** *<dir>*
Prepend a directory to PATH

**path_add** *<VAR>* *<dir>*
Prepend to any path variable

**env_vars_required** *<VAR>* **...**
Complain when variables are unset

**has** *<command>*
True if a command exists

## LOADING FILES

**dotenv** [*<file>*]
Load a .env file

**dotenv_if_exists** [*<file>*]
Load .env only if present

**source_up**
Inherit the nearest parent .envrc

**source_env** *<path>*
Load another .envrc

**source_env_if_exists** *<file>*
Load another file if present

**watch_file** *<file>* **...**
Reload when these files change

## LAYOUTS AND TOOLS

**layout python3**
Project virtualenv in .direnv/

**layout uv**
Sync and activate the uv project env

**layout node**
Add node_modules/.bin to PATH

**use node** [*<version>*]
Pick Node from .nvmrc or a version

**use flake** [*<installable>*]
Load a Nix flake devShell

**use nix** [**-p** *<pkg>*]
Load nix-shell environment

## CONFIG (DIRENV.TOML)

**load_dotenv = true**
Also load .env files

**hide_env_diff = true**
Hide the export diff on load