



Learn Nix


Get started with Nix:



[Install Nix](#)




[Develop with Nix](#)




[Nix overview](#)


Explore examples




Python with conda and more text




Python




Javascript




Rust




GO




C/C++




Haskell




R



Docker



Android



Cross compiling

More

Tutorials

- [Ad hoc developer environments](#)
- [Declarative and reproducible developer environments](#)
- [Towards reproducibility: Pinning nixpkgs](#)
- [Continuous Integration with GitHub Actions](#)
- [Building and running Docker images](#)
- [How to contribute](#)
- [Best practices \(Anti patterns\)](#)
- [FAQ](#)

Ad hoc developer environments

Assuming you have Nix installed, you can use it to download packages and create new **shell environments** that use these packages.

This is a great way to play with Nix tooling and see some of its potential.

What is a shell environment?

A shell environment gives you access to the exact versions of packages specified by Nix.

A hello world example:

```

$ hello
The program 'hello' is currently not installed.
$ nix-shell -p hello
[nix-shell:~]$ hello
Hello, world!
[nix-shell:~]$ exit
    
```

Get help

Forum

The official forum is the right place to get help from other users and discuss the development of the projects. There are also Announcements, Job offers and Events.

[Discourse forum](#)

Chat

Another place to get in contact with other users is the official IRC channel: **#nixos** on the freenode network (logs are available)


[Open webchat](#)

Professional providers

A number of consulting companies are available for professional support. **The list: Enlambda, five binaries, Mayflower, nixcloud, NumTrade Ltd, Obsidian Systems, Serokell, Tweag.**

[Github Pull](#)


Reference



Nix manual

[Read](#)


- Installation
- Basic package management
- What is a channel?
- Main command line tools
- Nix expression language



Nixpkgs manual

[Read](#)

- Configure nixpkgs
- Customize packages (override packages)
- Extend nixpkgs (via overlays)
- Adding a package to nixpkgs
- Contributing to Nixpkgs



NixOS manual

[Read](#)

- Installing NixOS
- Changing the Configuration
- Upgrading NixOS
- Configuration Syntax
- Package Management

Other learning resources

Nix pills

This series aims to complement the existing explanations from the more formal documents.

[More](#)

Nix cookbook

Nix Community Cookbook presents topical, practical ways of using Nix package manager ecosystem.

[More](#)

Nix wiki

A user-maintained wiki for Nix and NixOS.

[More](#)

Nix.dev

An opinionated guide for developers getting things done using the Nix ecosystem.

[More](#)

The project

[Nix Channel Status](#)
[Nix packages search](#)
[NixOS options search](#)

[Governance](#)
[Security](#)

Contribute

[Contributing Guide](#)
[Donate](#)

Up to date

[News](#)
[NixOS Weekly](#)

Get in Touch

[Forum](#)
[Chat](#)
[Commercial support](#)

The choice is yours

- Nix**
Linux Package manager...
- NixOS**
Linux Distribution...

[Download](#)
[Get started](#)