

Build Your World.

Build and share reproducible software environments with Nix and NixOS

Search in [17541 options](#) and [98924 packages](#) across [1592 categories](#).

Step 1: Create

Development shell

Create a reproducible environment of software packages which can be used without installing NixOS.

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Home Manager

Create a Home Manager configuration to manage settings and packages in your user environment.

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Operating System

Create an operating system with your packages and settings.

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Image

Create an image of a NixOS installation to run on your computer, server, or embedded device.

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Step 2: Configure

Packages

Add software packages to your configuration.

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Options

Set options in your configurations, for example to open ports in your firewall, or configure your SSH key.

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Imports

Re-use your work by importing within and between configurations.

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Resources

Easily link files or directories with your configurations, such as a background image or a static web site.

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Step 3: Deploy

Release

Releasing a configuration generates its code in Nix, and a lock-file of inputs for reproducibility.

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Build

Builds allow you to compile and download the outputs of a release, such as an operating system image.

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Download

Learn how to download your release and build artifacts.

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Install

Learn how to install the result of your configuration.

[Learn](#)

