NixOS 25.05 released Read Announcement →

Declarative builds and deployments.

Nix is a tool that takes a unique approach to package management and system configuration. Learn how to make reproducible, declarative and reliable systems.

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Reproducible

Nix builds packages in isolation from each other. This ensures that they are reproducible and don't have undeclared dependencies, so **if a package works on one machine, it will also work on another.**

Declarative

Nix makes it **trivial to share development and build environments** for your projects, regardless of what programming languages and tools you're using.

Reliable

Nix ensures that installing or upgrading one package **cannot break other packages**. It allows you to **roll back to previous versions**, and ensures that no package is in an inconsistent state during an upgrade.

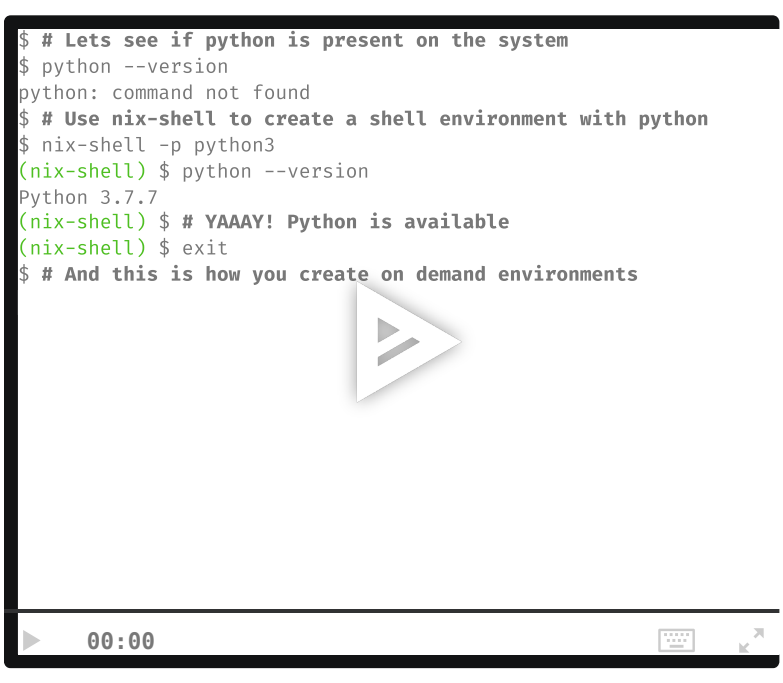
Choose from over 120 000 Packages

The Nix Packages collection (**Nixpkgs**) offers a large selection of packages for the Nix package manager.

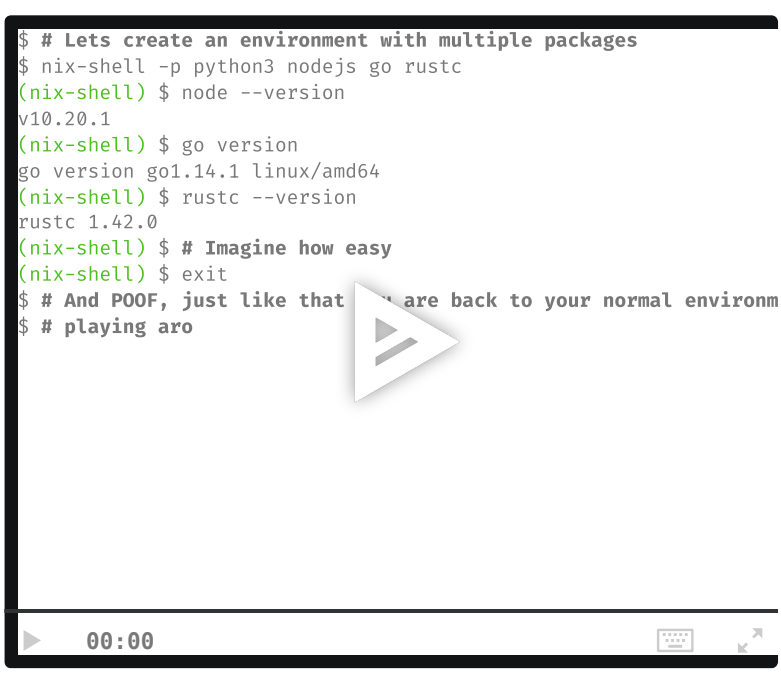
Search for Nix packages

Search

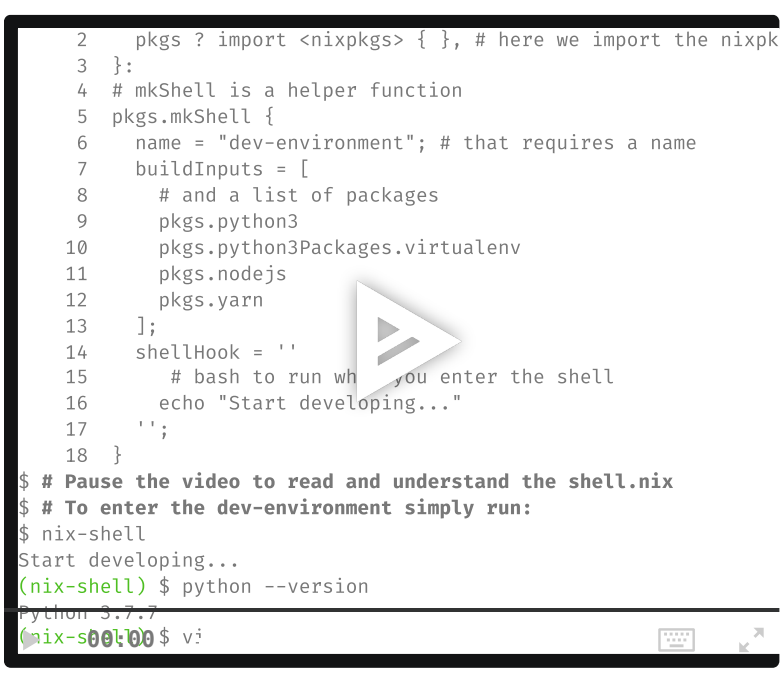
Try new tools without fear



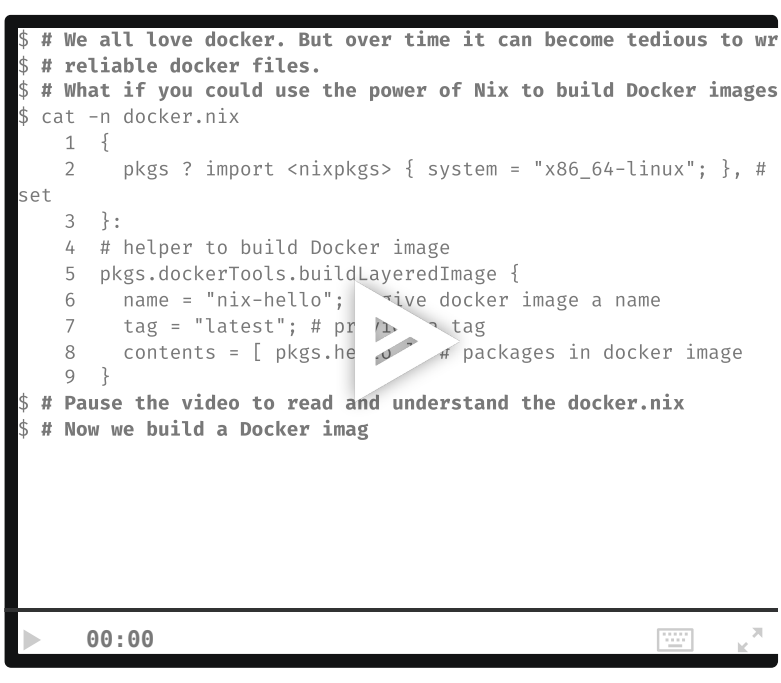
Multiple languages, one tool



Declarative dev-environments

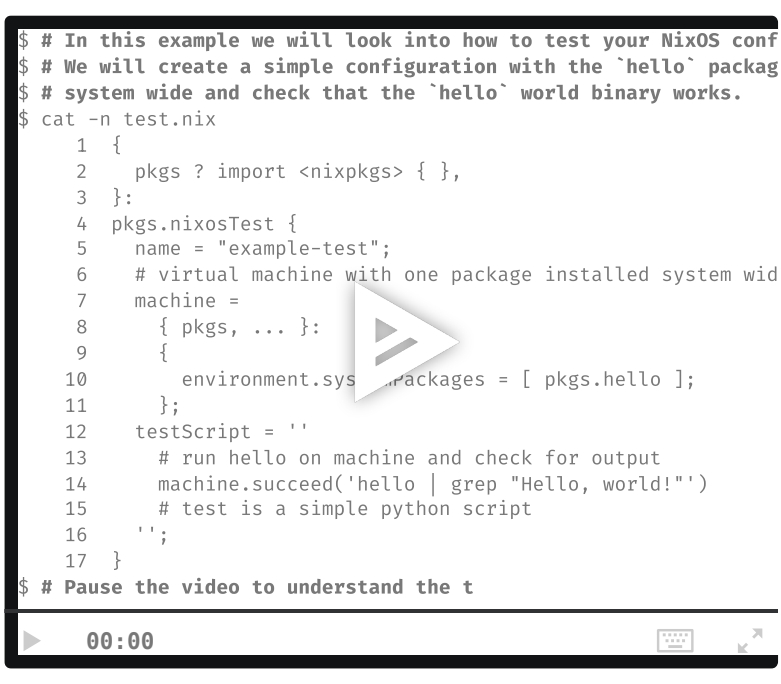


Minimal docker images



Declarative cloud images

Test your configurations



Declarative cloud images

Test your configurations

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