

README

Penguin's eggs are generated and new birds are ready to fly...

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Get it as [AppImage](#)



It took years of work to create the penguins-eggs, and I also incurred expenses for renting the site and subscribing to Google Gemini, for the artificial intelligence that is now indispensable.

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penguins-eggs

penguins-eggs (or simply [eggs](#)) is a console tool that allows you to remaster your system and redistribute it as live images on USB sticks or via PXE.

Think of it as a way to "hatch" a new system from an existing one. It is a system cloning and distribution remastering tool primarily designed for Linux. It allows users to create customized live ISO images or backups of a Linux system, replicating the setup easily.

Key Capabilities

- **Distribution Remastering:** Craft your own Linux distro (or a spin of an existing one). Tweak an existing system, strip or add components, and package it as a new ISO.
 - **System Backup & Cloning:** Create a snapshot of your current system, including installed packages and configurations.
 - **Distro-Agnostic:** Works across **Debian, Devuan, Ubuntu, Arch, Fedora, AlmaLinux, Rocky, OpenSuSE, and Alpine**.
 - **Multi-Architecture:** Debian/Ubuntu packages are released for [amd64](#), [arm64](#) and [riscv64](#) ([more info](#)).
 - **Fast & Efficient:** Leverages OverlayFS to avoid physically copying the entire filesystem, combined with zstd compression (up to 10x faster).
 - **Secure:** Supports LUKS encryption for user data within the ISO.
-

Installation

There are three main ways to install [eggs](#). Choose the one that fits your workflow.

Method 1: The "Fresh Eggs" Script (Recommended)

This is the most practical way suitable for all [supported distros](#). It automatically configures necessary repositories (like NodeSource) and installs dependencies.

```
git clone [https://github.com/pieroproietti/fresh-eggs]
           (https://github.com/pieroproietti/fresh-eggs)
cd fresh-eggs
sudo ./fresh-eggs.sh
```

Method 2: AppImage (Universal)

Download the latest AppImage from [Releases](#).

Prerequisites: Depending on your distro, you may need FUSE:

- **Debian/Ubuntu:** `sudo apt-get install fuse libfuse2`
- **Arch:** `sudo pacman -S fuse2`
- **Fedor**a: `sudo dnf install fuse fuse-libs`

Run:

```
chmod +x penguins-eggs-*.AppImage
sudo ./penguins-eggs-*.AppImage
```

The AppImage will automatically configure itself as `/usr/bin/eggs`.

Method 3: Native Packages

If you prefer native package managers, specific repositories are available.

Family	Instructions
Debian/Ubuntu	Install Guide / PPA Info
Arch/Manjaro	Available in AUR and Manjaro Community . Use <code>yay penguins-eggs</code> or <code>pamac install penguins-eggs</code> .
Fedora/RHEL	Fedora Guide / Enterprise Linux
Alpine	Available in the penguins-alpine repo.

Usage

Once installed, simply run `eggs` to see the available commands.

Basic: Create a Clean ISO

This creates a distributable live ISO *without* user data. Perfect for sharing your custom distro.

```
sudo eggs produce
```

Cloning: Backup Your System

To keep your user data, configurations, and files:

Goal	Command	Description
------	---------	-------------

Goal	Command	Description
Standard Clone	<code>eggs produce --clone</code>	Copies user data unencrypted. Do not share publicly.
Home Encryption	<code>eggs produce --homecrypt</code>	Encrypts <code>/home</code> data inside the ISO using LUKS.
Full Encryption	<code>eggs produce --fullcrypt</code>	Encrypts the entire system (Debian/Devuan only).

Compression Options

- `--pendrive`: Optimized for USBs (zstd level 15).
- `--standard`: Uses `xz` compression.
- `--max`: Maximum compression (`xz -Xbcj`).

The Aviary: Tools & Terminology

`penguins-eggs` uses a bird-themed naming convention for its internal tools:

- **Wardrobe**: A tool to organize customizations, scripts, and themes. It allows you to switch between configurations (e.g., from a bare CLI system to a full GUI). See [penguins-wardrobe](#).
- **Cuckoo**: A PXE boot server feature. It allows you to boot your generated ISO on other computers over the local network without needing a USB drive.
- **Yolk**: A local repository bundled inside the ISO containing essential packages, allowing offline installation.
- **Krill**: The internal CLI/TUI system installer. Essential for server installs or when no GUI is available.
- **Calamares**: The industry-standard GUI installer, automatically configured by `eggs` for desktop environments.
- **Mom & Dad**:
 - `eggs mom`: Interactive help and documentation assistant.
 - `eggs dad`: Configuration wizard. Run `sudo eggs dad -d` to reset configuration.

Supported Distributions

`eggs` is designed to be distro-agnostic. It respects the original package manager and repository lists.

- **Debian Family**: Debian, Devuan, Ubuntu, Linux Mint, Kali, KDE Neon, Pop!_OS.
- **Arch Family**: Arch Linux, Manjaro, Biglinux, EndeavourOS, Garuda.
- **RPM Family**: Fedora, AlmaLinux, Rocky Linux, OpenSUSE.
- **Others**: Alpine Linux.

[!NOTE] For a complete and updated list, please consult [SUPPORTED-DISTROS](#).

Links & Documentation

- **Official Website:** penguins-eggs.net
- **Blog & News:** [The Triple Somersault](#)
- **SourceForge ISOs:** [Download Examples](#)
- **User Guide:** [Wardrobe User Guide](#)

Commands

- eggs adapt
- eggs autocomplete [SHELL]
- eggs calamares
- eggs config
- eggs cuckoo
- eggs dad
- eggs export appimage
- eggs export iso
- eggs export pkg
- eggs export tarballs
- eggs help [COMMAND]
- eggs kill
- eggs krill
- eggs love
- eggs mom
- eggs produce
- eggs setup install
- eggs setup purge
- eggs status
- eggs tools clean
- eggs tools repo
- eggs tools skel
- eggs tools stat
- eggs tools yolk
- eggs update
- eggs version
- eggs wardrobe get [REPO]
- eggs wardrobe list [REPO]
- eggs wardrobe show [REPO]
- eggs wardrobe wear [REPO]

eggs adapt

adapt monitor resolution for VM only

```
USAGE  
$ eggs adapt [-h] [-v]
```

```
FLAGS  
-h, --help      Show CLI help.  
-v, --verbose
```

```
DESCRIPTION  
adapt monitor resolution for VM only
```

```
EXAMPLES  
$ eggs adapt
```

See code: [src/commands/adapt.ts](#)

eggs autocomplete [SHELL]

Display autocomplete installation instructions.

```
USAGE  
$ eggs autocomplete [SHELL] [-r]
```

```
ARGUMENTS  
[SHELL] (zsh|bash|powershell) Shell type
```

```
FLAGS  
-r, --refresh-cache Refresh cache (ignores displaying instructions)
```

```
DESCRIPTION  
Display autocomplete installation instructions.
```

```
EXAMPLES  
$ eggs autocomplete  
  
$ eggs autocomplete bash  
  
$ eggs autocomplete zsh  
  
$ eggs autocomplete powershell  
  
$ eggs autocomplete --refresh-cache
```

See code: [@oclif/plugin-autocomplete](#)

eggs calamares

a GUI system installer - install and configure calamares

USAGE

```
$ eggs calamares [-h] [-i] [-n] [-p] [-r] [--remove] [--theme <value>]  
[-v]
```

FLAGS

-h, --help	Show CLI help.
-i, --install	install calamares and its dependencies
-n, --nointeractive	no user interaction
-p, --policies	configure calamares policies
-r, --release	release: remove calamares and all its dependencies after the installation
-v, --verbose	
--remove	remove calamares and its dependencies
--theme=<value>	theme/branding for eggs and calamares

DESCRIPTION

a GUI system installer - install and configure calamares

EXAMPLES

```
sudo eggs calamares
```

```
sudo eggs calamares --install
```

```
sudo eggs calamares --install --theme=/path/to/theme
```

```
sudo eggs calamares --remove
```

See code: [src/commands/calamares.ts](#)

eggs config

Configure eggs to run it

USAGE

```
$ eggs config [-c] [-h] [-n] [-v]
```

FLAGS

-c, --clean	remove old configuration before to create new one
-h, --help	Show CLI help.
-n, --nointeractive	no user interaction
-v, --verbose	verbose

DESCRIPTION

Configure eggs to run it

EXAMPLES

```
sudo eggs config
```

```
sudo eggs config --clean
```

```
sudo eggs config --clean --nointeractive
```

See code: [src/commands/config.ts](#)

eggs cuckoo

PXE start with proxy-dhcp

USAGE

```
$ eggs cuckoo [-h] [-v]
```

FLAGS

```
-h, --help      Show CLI help.  
-v, --verbose   verbose
```

DESCRIPTION

PXE start with proxy-dhcp

EXAMPLES

```
sudo eggs cuckoo
```

See code: [src/commands/cuckoo.ts](#)

eggs dad

ask help from daddy - TUI configuration helper

USAGE

```
$ eggs dad [-c] [-d] [-f <value>] [-n] [-h] [-v]
```

FLAGS

```
-c, --clean           remove old configuration before to create  
-d, --default         reset to default values  
-f, --file=<value>    use a file configuration custom  
-h, --help            Show CLI help.  
-n, --nointeractive   no user interaction  
-v, --verbose          verbose
```

DESCRIPTION

ask help from daddy - TUI configuration helper

EXAMPLES

```
sudo dad
```

```
sudo dad --clean
```

```
sudo dad --default
```

See code: [src/commands/dad.ts](#)

eggs export appimage

export penguins-eggs AppImage to the destination host

USAGE

```
$ eggs export appimage [-c] [-h] [-v]
```

FLAGS

-c, --clean	remove old .AppImage before to copy
-h, --help	Show CLI help.
-v, --verbose	verbose

DESCRIPTION

export penguins-eggs AppImage to the destination host

EXAMPLES

```
$ eggs export pkg  
$ eggs export pkg --clean  
$ eggs export pkg --all
```

See code: [src/commands/export/appimage.ts](#)

eggs export iso

export remastered ISO in the destination host

USAGE

```
$ eggs export iso [-C] [-c] [-h] [-v]
```

FLAGS

-C, --checksum	export checksums md5 and sha256
-c, --clean	delete old ISOs before to copy
-h, --help	Show CLI help.
-v, --verbose	verbose

DESCRIPTION

export remastered ISO in the destination host

EXAMPLES

```
$ eggs export iso  
$ eggs export iso --clean
```

See code: [src/commands/export/iso.ts](#)

eggs export pkg

export penguins-eggs package to the destination host

USAGE

```
$ eggs export pkg [-a] [-c] [-h] [-v]
```

FLAGS

-a, --all	export all archs
-c, --clean	remove old .deb before to copy
-h, --help	Show CLI help.
-v, --verbose	verbose

DESCRIPTION

export penguins-eggs package to the destination host

EXAMPLES

```
$ eggs export pkg
```

```
$ eggs export pkg --clean
```

```
$ eggs export pkg --all
```

See code: [src/commands/export/pkg.ts](#)

eggs export tarballs

export pkg/iso/tarballs to the destination host

USAGE

```
$ eggs export tarballs [-c] [-h] [-v]
```

FLAGS

-c, --clean	remove old .deb before to copy
-h, --help	Show CLI help.
-v, --verbose	verbose

DESCRIPTION

export pkg/iso/tarballs to the destination host

EXAMPLES

```
$ eggs export tarballs
```

```
$ eggs export tarballs --clean
```

See code: [src/commands/export/tarballs.ts](#)

eggs help [COMMAND]

Display help for eggs.

USAGE

```
$ eggs help [COMMAND...] [-n]
```

ARGUMENTS

[COMMAND...] Command to show help for.

FLAGS

-n, --nested-commands Include all nested commands in the output.

DESCRIPTION

Display help for eggs.

See code: [@oclif/plugin-help](#)

eggs kill

kill the eggs/free the nest

USAGE

```
$ eggs kill [-h] [-i] [-n] [-v]
```

FLAGS

-h, --help	Show CLI help.
-i, --isos	erase all ISOs on remote mount
-n, --nointeractive	no user interaction
-v, --verbose	verbose

DESCRIPTION

kill the eggs/free the nest

EXAMPLES

```
sudo eggs kill
```

See code: [src/commands/kill.ts](#)

eggs krill

a TUI system installer - install the system

USAGE

```
$ eggs krill [-b] [-c] [-k] [-d <value>] [-H] [-h] [-i] [-n] [-N] [-p]
[-r] [-R <value>] [-s] [-S] [-t]
[-u] [-v]
```

FLAGS

-H, --halt	Halt the system after installation
-N, --none	Swap none: 256M
-R, --replace=<value>	Replace partition. eg: --replace /dev/sda3

-S, --suspend	Swap suspend: RAM x 2
-b, --btrfs	Format btrfs
-c, --chroot	chroot before to end
-d, --domain=<value>	Domain name, defult: .local
-h, --help	Show CLI help.
-i, --ip	hostname as ip, eg: ip-192-168-1-33
-k, --encrypted	Crypted CLI installation
-n, --nointeractive	no user interaction
-p, --pve	Proxmox VE install
-r, --random	Add random to hostname, eg: colibri-ay412dt
-s, --small	Swap small: RAM
-t, --testing	Just testing krill
-u, --unattended	Unattended installation
-v, --verbose	Verbose

DESCRIPTION

a TUI system installer - install the system

EXAMPLES

`sudo eggs install`

`sudo eggs install --unattended --halt`

`sudo eggs install --chroot`

See code: [src/commands/krill.ts](#)

eggs love

the simplest way to get an egg!

USAGE

`$ eggs love [-h] [-v] [-H] [-n] [-c] [-k] [-f]`

FLAGS

-H, --hidden	stealth mode
-c, --clone	clone (uncrypted)
-f, --fullcrypt	clone crypted full
-h, --help	Show CLI help.
-k, --homecrypt	clone crypted home
-n, --nointeractive	no user interaction
-v, --verbose	

DESCRIPTION

the simplest way to get an egg!

EXAMPLES

`$ eggs auto`

See code: [src/commands/love.ts](#)

eggs mom

ask help from mommy - TUI helper

USAGE

```
$ eggs mom [-h]
```

FLAGS

- h, --help Show CLI help.

DESCRIPTION

ask help from mommy - TUI helper

EXAMPLES

```
$ eggs mom
```

See code: [src/commands/mom.ts](#)

eggs produce

produce a live image from your system

USAGE

```
$ eggs produce [--addons <value>...] [--basename <value>] [-c] [-k] [-f]
[--excludes <value>...] [-h] [-H]
    [-K <value>] [--links <value>...] [-m] [-N] [-n] [-p] [-P <value>] [--release]
    [-s] [-S] [--theme <value>] [-i] [-v]
    [-y]
```

FLAGS

-H, --hidden	stealth mode
-K, --kernel=<value>	kernel version
-N, --noicon	no icon eggs on desktop
-P, --prefix=<value>	prefix
-S, --standard	standard compression: xz -b 1M
-c, --clone	clone (uncrypted)
-f, --fullcrypt	clone crypted full
-h, --help	Show CLI help.
-i, --includeRootHome	folder /root is included on live
-k, --homecrypt	clone cryptd home
-m, --max	max compression: xz -Xbcj ...
-n, --nointeractive	no user interaction
-p, --pendrive	optimized for pendrive: zstd -b 1M -
Xcompression-level 15	
-s, --script	script mode. Generate scripts to manage iso
build	
-v, --verbose	verbose
-y, --yolk	force yolk renew
--addons=<value>...	addons to be used: adapt, pve, rsupport
--basename=<value>	basename

```
--excludes=<value>...    use: static, homes, home
--links=<value>...        desktop links
--release                 release: remove penguins-eggs, calamares and
dependencies after installation
--theme=<value>          theme for livecd, calamares branding and
partitions
```

DESCRIPTION

produce a live image from your system

EXAMPLES

```
sudo eggs produce          # zstd fast compression
sudo eggs produce --pendrive
pendrive                  # zstd compression optimized
sudo eggs produce --clone      # clear clone (unencrypted)
sudo eggs produce --homecrypt
/home is cypted)           # clone cryptd home (all inside
                           # clone cryptd full (entire system
                           # is cryptd)
sudo eggs produce --basename=colibri
```

See code: [src/commands/produce.ts](#)

eggs setup install

Automatically check and install system prerequisites

USAGE

```
$ eggs setup install
```

DESCRIPTION

Automatically check and install system prerequisites

EXAMPLES

```
$ eggs setup          # this help
sudo eggs setup install      # install native dependencies,
autocomplete, man, etc
sudo eggs setup purge        # purge all configurations,
autocomplete, man, etc installed from penguins-eggs AppImage
```

See code: [src/commands/setup/install.ts](#)

eggs setup purge

Automatically check and install system prerequisites

USAGE

```
$ eggs setup purge
```

DESCRIPTION

```
Automatically check and install system prerequisites
```

EXAMPLES

```
$ eggs setup # this help  
sudo eggs setup install # install native dependencies,  
autocomplete, man, etc  
sudo eggs setup purge # purge all configurations,  
autocomplete, man, etc installed from penguins-eggs AppImage
```

See code: [src/commands/setup/purge.ts](#)

eggs status

informations about eggs status

USAGE

```
$ eggs status [-h] [-v]
```

FLAGS

```
-h, --help      Show CLI help.  
-v, --verbose
```

DESCRIPTION

```
informations about eggs status
```

EXAMPLES

```
$ eggs status
```

See code: [src/commands/status.ts](#)

eggs tools clean

clean system log, apt, etc

USAGE

```
$ eggs tools clean [-h] [-n] [-v]
```

FLAGS

```
-h, --help      Show CLI help.  
-n, --nointeractive  no user interaction
```

```
-v, --verbose      verbose
```

DESCRIPTION

clean system log, apt, etc

EXAMPLES

```
sudo eggs tools clean
```

See code: [src/commands/tools/clean.ts](#)

eggs tools repo

add/remove penguins-repos

USAGE

```
$ eggs tools repo [-a] [-h] [-n] [-r] [-v]
```

FLAGS

-a, --add	add penguins-repos
-h, --help	Show CLI help.
-n, --nointeractive	no user interaction
-r, --remove	remove penguins-repos
-v, --verbose	verbose

DESCRIPTION

add/remove penguins-repos

EXAMPLES

```
sudo eggs tools repo --add
```

```
sudo eggs tools repo --remove
```

See code: [src/commands/tools/repo.ts](#)

eggs tools skel

update skel from home configuration

USAGE

```
$ eggs tools skel [-h] [-u <value>] [-v]
```

FLAGS

-h, --help	Show CLI help.
-u, --user=<value>	user to be used
-v, --verbose	

DESCRIPTION

update skel from home configuration

EXAMPLES

```
sudo eggs tools skel
```

```
sudo eggs tools skel --user user-to-be-copied
```

See code: [src/commands/tools/skel.ts](#)

eggs tools stat

get statistics from sourceforge

USAGE

```
$ eggs tools stat [-h] [-m] [-y]
```

FLAGS

- h, --help Show CLI help.
- m, --month current month
- y, --year current year

DESCRIPTION

get statistics from sourceforge

EXAMPLES

```
$ eggs tools stat
```

```
$ eggs tools stat --month
```

```
$ eggs tools stat --year
```

See code: [src/commands/tools/stat.ts](#)

eggs tools yolk

configure eggs to install without internet

USAGE

```
$ eggs tools yolk [-h] [-v]
```

FLAGS

- h, --help Show CLI help.
- v, --verbose

DESCRIPTION

configure eggs to install without internet

EXAMPLES

```
sudo eggs tools yolk
```

See code: [src/commands/tools/yolk.ts](#)

eggs update

update the Penguins' eggs tool

USAGE

```
$ eggs update [-h] [-v]
```

FLAGS

-h, --help	Show CLI help.
-v, --verbose	verbose

DESCRIPTION

update the Penguins' eggs tool

EXAMPLES

```
$ eggs update
```

See code: [src/commands/update.ts](#)

eggs version

USAGE

```
$ eggs version [--json] [--verbose]
```

FLAGS

--verbose	Show additional information about the CLI.
-----------	--

GLOBAL FLAGS

--json	Format output as json.
--------	------------------------

FLAG DESCRIPTIONS

--verbose	Show additional information about the CLI.
-----------	--

Additionally shows the architecture, node version, operating system, and versions of plugins that the CLI is using.

See code: [@oclif/plugin-version](#)

eggs wardrobe get [REPO]

get warorobe

USAGE

```
$ eggs wardrobe get [REPO] [-h] [-v]
```

ARGUMENTS

```
[REPO] repository to get
```

FLAGS

```
-h, --help      Show CLI help.  
-v, --verbose
```

DESCRIPTION

```
get warorobe
```

EXAMPLES

```
$ eggs wardrobe get
```

```
$ eggs wardrobe get your-wardrobe
```

See code: [src/commands/wardrobe/get.ts](#)

eggs wardrobe list [REPO]

list costumes and accessoires in wardrobe

USAGE

```
$ eggs wardrobe list [REPO] [-d <value>] [-h] [-v]
```

ARGUMENTS

```
[REPO] wardrobe to get
```

FLAGS

```
-d, --distro=<value> distro  
-h, --help      Show CLI help.  
-v, --verbose
```

DESCRIPTION

```
list costumes and accessoires in wardrobe
```

EXAMPLES

```
$ eggs wardrobe list
```

```
$ eggs wardrobe list your-wardrobe
```

```
$ eggs wardrobe list --distro arch
```

See code: [src/commands/wardrobe/list.ts](#)

eggs wardrobe show [REPO]

show costumes/accessories in wardrobe

USAGE

```
$ eggs wardrobe show [REPO] [-h] [-j] [-v] [-w <value>]
```

ARGUMENTS

```
[REPO] costume to show
```

FLAGS

-h, --help	Show CLI help.
-j, --json	output JSON
-v, --verbose	
-w, --wardrobe=<value>	wardrobe

DESCRIPTION

```
show costumes/accessories in wardrobe
```

EXAMPLES

```
$ eggs wardrobe show colibri
```

```
$ eggs wardrobe show accessories/firmwares
```

```
$ eggs wardrobe show accessories/
```

See code: [src/commands/wardrobe/show.ts](#)

eggs wardrobe wear [REPO]

wear costume/accessories from wardrobe

USAGE

```
$ eggs wardrobe wear [REPO] [-h] [-a] [-f] [-v] [-w <value>]
```

ARGUMENTS

```
[REPO] costume to wear
```

FLAGS

-a, --no_accessories	not install accessories
-f, --no_firmwares	not install firmwares
-h, --help	Show CLI help.
-v, --verbose	
-w, --wardrobe=<value>	wardrobe

DESCRIPTION

```
wear costume/accessories from wardrobe
```

EXAMPLES

```
sudo eggs wardrobe wear duck
```

```
sudo eggs wardrobe wear accessories/firmwares
```

```
sudo eggs wardrobe wear wagtail/waydroid
```

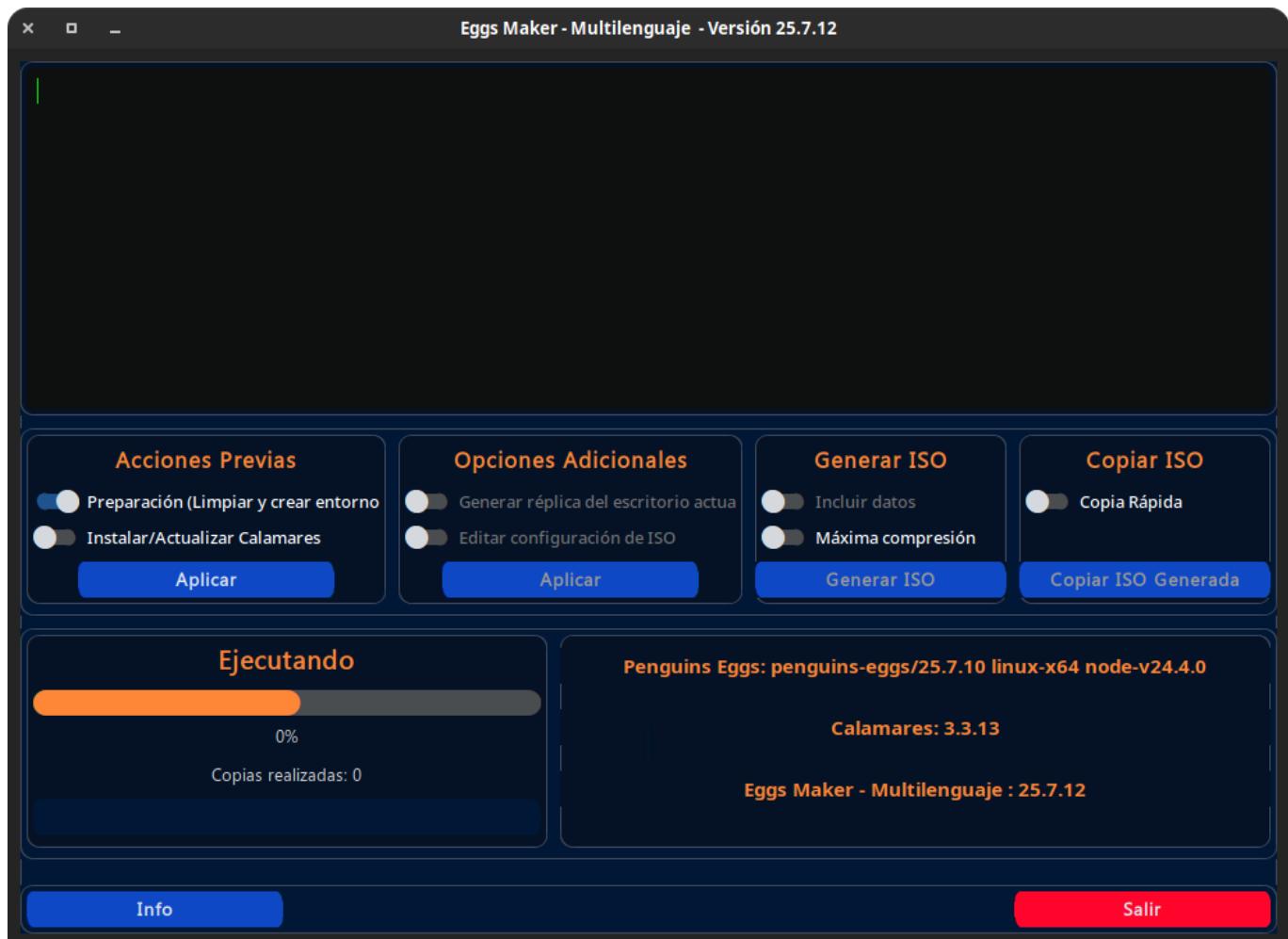
See code: [src/commands/wardrobe/wear.ts](#)

GUI

There are two GUIs for penguins-eggs at the moment: eggsmaker and penGUI.

eggsmaker

A project by [Jorge Luis Endres](#).



eggsmaker is a graphical interface for penguins-eggs.

Written by my friend Jorge Luis Endres, it is essential and functional. It doesn't cover all the possibilities of penguins-eggs, but in the end, a GUI should be simple and intuitive.

I like it, I hope you like it too, and I thank Jorge for his daring.

eggsmaker packages are available on [Jorge gdrive](#).

Book

My friend [Hosein Seilany](#) founder of [predator-os](#), has written a book on Penguins's eggs, with my partecipation. It's a remarkable work - even in size and weight - so it's a great honor to [announce](#) it here!

Penguin Eggs Tool

Create your own Linux distribution based easily

Hossein Seilani

Piero Proietti



Creating Linux distro with and ISO image file by using Penguins Eggs platform tool

First Edition

2024

That's all, Folks!

One of the standout features of Penguins Eggs' is its hassle-free setup. It comes with all the necessary configurations, making it a convenient choice for users. Just like in real life, the magic of Penguins Eggs' lies within - no additional setup required!

More Information

In addition to the official guide, there are other resources available for Penguins Eggs' users, particularly developers. These resources can be found in the [penguins-eggs repository](#) under the [documents](#) section.

Some noteworthy documents include:

- [Hens: Different Species](#): A brief guide on using Penguins Eggs' in Debian, Arch, and Manjaro.
- [Arch-naked](#): A blog post detailing how to create an Arch naked live, install it, and customize the resulting system into a graphics development station.

If you have any questions or need further assistance, feel free to contact me via email at pieroproietti@gmail.com. You can also stay updated by following my [blog](#) or connecting with me on , [Telegram](#), [Mastodom](#), [Facebook](#), [GitHub](#), [Jitsi](#), [Reddit](#) or [Twitter](#), [Mastodom](#).

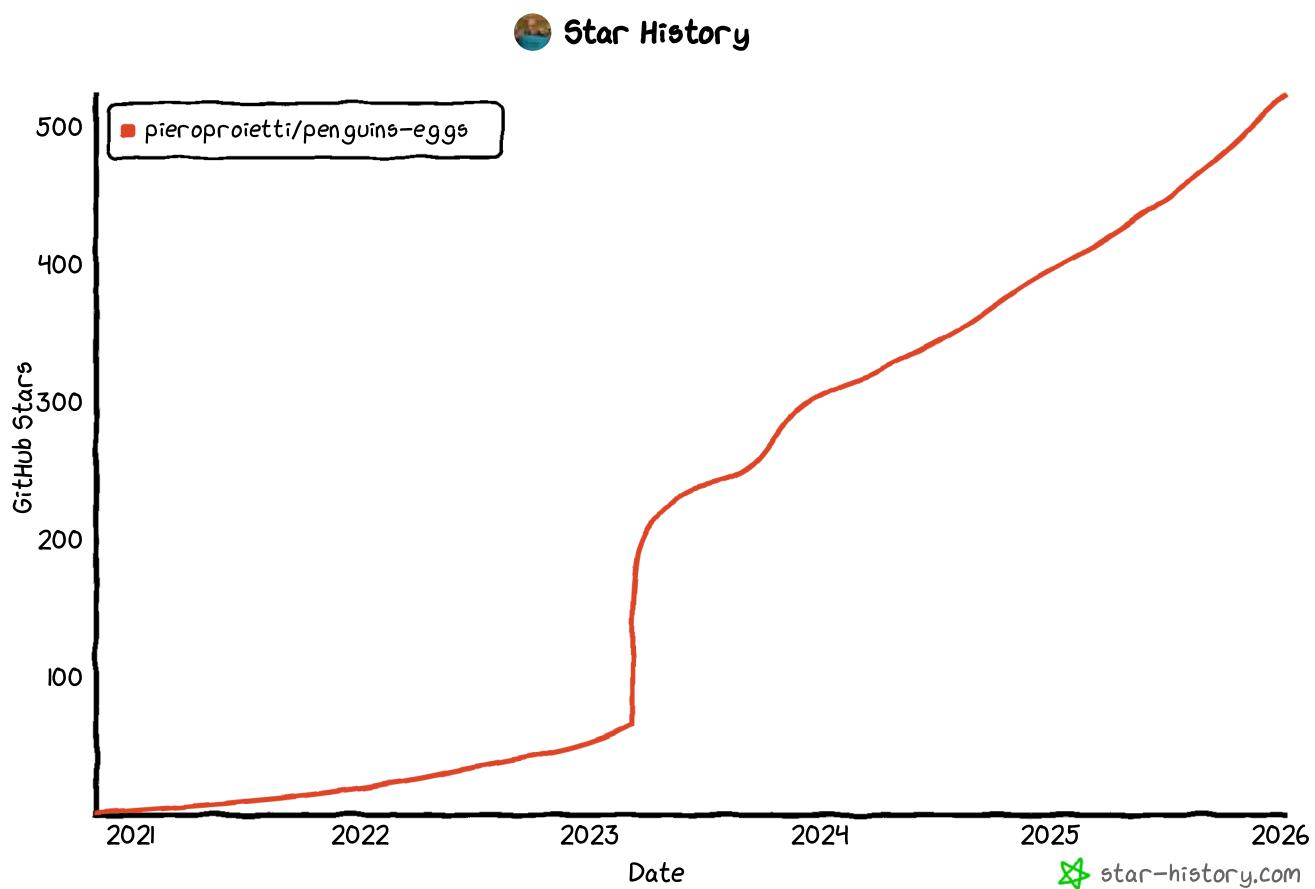
A word of thanks

- This README would not be so well cared for if not for the work of [Hosein Seilain](#) who spent his time revising and supplementing the text;
- The eggs icon was designed by [Charlie Martinez](#);
- and a word of thanks to all of you who are using it and providing feedback and motivation to continue it.

Thank you!

Star History

This project collects stars, look to the sky... contribute!



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