



BlissLabs

And Flagship projects - Bliss OS, Waydroid

FOSSASIA 2025



- ▶ A volunteer based 501c(3) non-profit organization that helps open-source projects thrive
- ▶ BlissLabs' goal is to create and maintain various open source operating systems and other software that helps to extend the life of devices in order to help with the world's e-waste problems.
- ▶ BlissLabs maintains BlissOS and other OSS softwares
- ▶ Not a bunch of projects , but a very matured open source org with a proper org structure .

BlissLabs



- ▶ We work to mentor and teach future open source developer's in all aspects of development and design, including animation
- ▶ We form alliances with other projects that share in our visions.
- ▶ We develop tools to help minimize the complex development process and aid in learning.
- ▶ We act as a global fiscal host for open source projects, allowing for a much larger opportunity to work with others globally and increase user base.

BlissLabs - Mission



Region - Continent - Asia, North America, South America , Europe, Oceania , Middle-East, Eurasia .

Age group - 13 - 60

Students - Professionals - Retirees

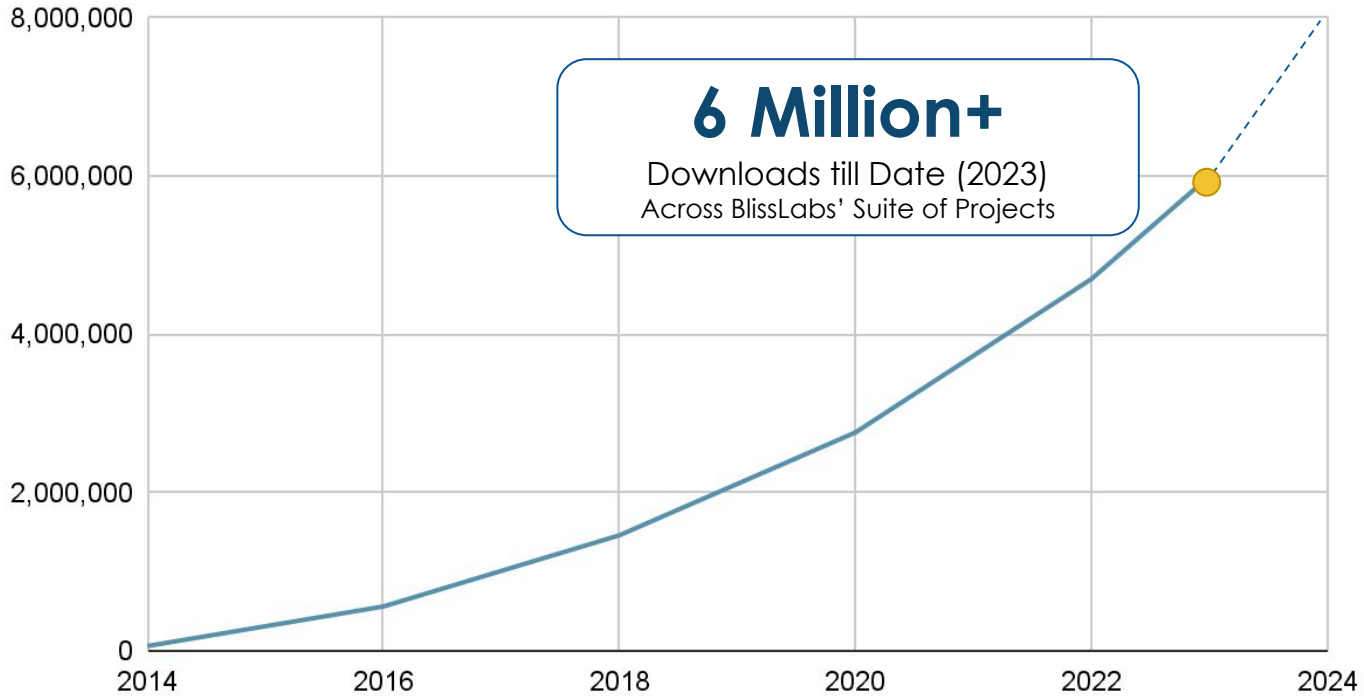
Women - Men - LGBT - Differently Abled in key positions like CFO,CPO,CTO.

Education - Middle school to Phd

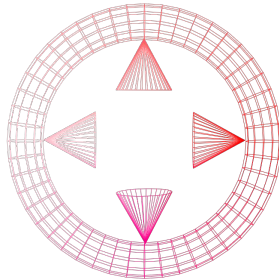
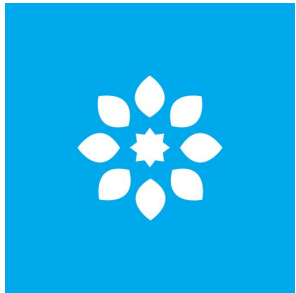
Diversity - BlissLabs



Estimated Download Count



BlissLabs



What we represent now



- ▶ **Bliss OS & Bliss OS Go** - “Unified android experience irrespective of hardware”
 - ▶ Android-x86 OS for Intel & AMD x86_64v2 devices
- ▶ **Waydroid** - “Android integration with Linux - light weight”
 - ▶ Containerized approach for Android on Linux (using Wayland)
- ▶ **Android-Linux hybrid** - “Control fully from Linux, but at the same time run as an independent hardware-accelerated OS”
- ▶ **SmartDock** - “Desktop experience like windows/chromeOS for android”
 - ▶ FOSS Desktop UI app for Android - multiwindow , taskbar , dock etc.
- ▶ **XT Mapper** - “Only OSS gaming focused keymapper for android”
 - ▶ FOSS on-screen keymapper solution for Android
- ▶ **Supreme Gamers** - “Android-x86 Development community who made - installer , recovery solutions etc “
- ▶ **Boringdroid** - “Complete OSS Desktop UI solution for AOSP built into source”
- ▶ **Bliss Bass** - “Production ready example of Android on x86 hardware, based on BlissOS, adding further customization/configuration, rebrandability and built to be used with our build automation toolkits.”
- ▶ **Android-Generic Project** - “Easy button for Bliss OS build” . Rapid Prototyping toolkit for Android-x86 based builds.
- ▶ **BlissROM** - Custom Android OS for mobile devices

Bliss Labs - Project portfolio



Matured Process model

- Build
- Testing
- Release
- Documentation - dev & users
- Post release support

BlissLabs Process



- ▶ BlendOS - Waydroid
- ▶ Ubuntu web - Waydroid & Android-Generic
- ▶ Ubuntu Touch - Waydroid
- ▶ Prime OS - Uses Android-Generic
- ▶ Android-x86 - We supply team resources, build servers, development, etc.

Popular OSS products having links with our projects



Attending Conference

Hardware for testing

Hardware for development (Personal equipment)

Hardware build / web servers

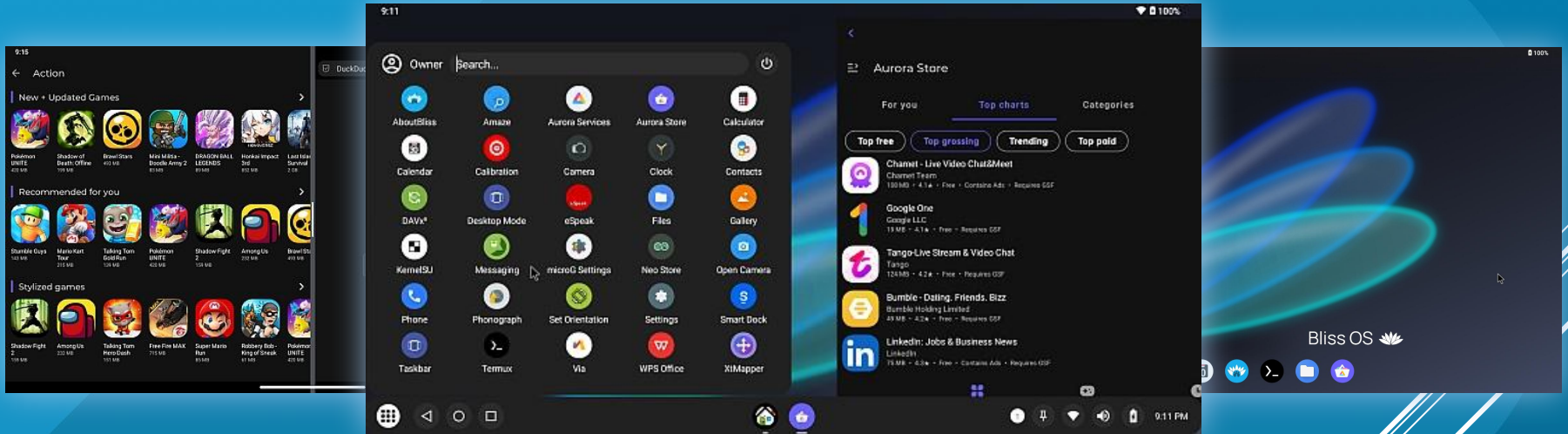
Communication server (slack/discord/gsuite/telegram)

Software services - storage(sourceforge,gdrive),
dev(gitlab,github),process(jira,confluence,trello)-atlassian suite, Web
servers (google,github,update-ota)

BlissLabs - Support for sub projects



Bliss OS



“Android for your PC”

An Android-based open source OS that incorporates many optimizations, features, and modular device support for x86 based PC hardware and peripherals.



- ▶ Mainline Linux based with Android x86 patches
- ▶ Features - Desktop UI, changes for x86 hardware, custom HAL's, etc.
- ▶ Generic Builds (one .iso to rule them all)
- ▶ Tons of customization options included
- ▶ Low-resource based subsystem
- ▶ High performance on x86 based hardware
- ▶ Added Linux tools integrated with Android (Termux, networking & device configuration, etc)

Bliss OS - Features



- ▶ Kiosk
- ▶ Mobile
- ▶ PC's (new & older)
- ▶ Gaming
- ▶ Automotive display
- ▶ POS/CFD
- ▶ Menu Displays
- ▶ Ad Displays
- ▶ TV/Large Screen
- ▶ IOT/IIOT
- ▶ Industrial Displays
- ▶ GAMING
- ▶ Component Displays

DIVERSE TYPE OF USE-CASES

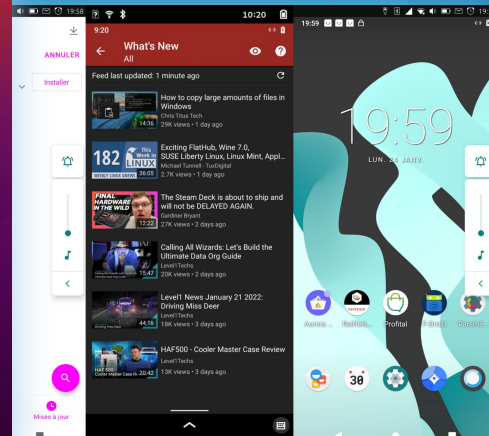
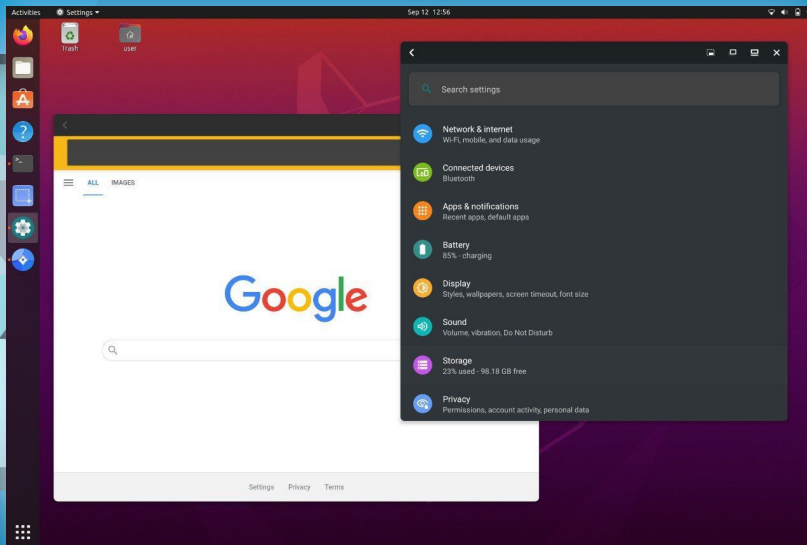
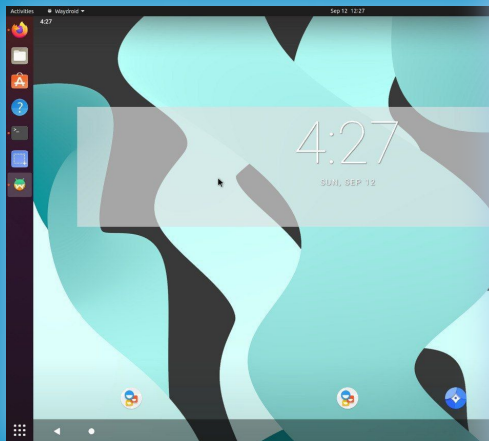


- You can find Demo Videos on our website
- You can download an ISO for Android 11, 12 & 13 from the website too

DEMO BLISS OS - <https://blissos.org>



Waydroid



“Android for Linux”





A container-based approach to boot a full Android system on regular GNU/Linux systems running Wayland based desktop environments.



Waydroid – A Feature-Packed Open-Source Marvel









What is Waydroid?

-  Fast & Lightweight: Containerized Android for near-native performance on Linux.
-  Full Android Experience: Run millions of Android apps on your Linux desktop or device.
-  Seamless Integration: Shares Linux system resources for a cohesive experience.
-  Open-Source & Free: Transparent, customizable, and backed by a vibrant global community.

Waydroid



Key Features

-  Secure & Isolated Environment: Runs Android apps in a container for enhanced security.
-  Network Transparency: Share network interfaces seamlessly between Android and Linux.
-  Customizability: Tailor the Android environment with custom builds and tweaks.
-  Cross-Hardware Compatibility: Supports a wide range of ARM and x86 devices.
-  Community-Driven: Open-source with contributions from passionate developers worldwide.
-  Developer Tools: Debug apps, test integrations, and optimize performance directly on Linux.

Waydroid



Use Cases

- IoT & Embedded Development.
- Gaming on Linux.
- Organizations needing dual-purpose devices.

Callout:

“A flexible, powerful tool for developers, gamers, and innovators!”

Waydroid



- You can find more info on Waydroid and Waydroid Linux on our website

Waydroid Website - <https://waydro.id>



- ▶ Internships
- ▶ Mentorship
- ▶ Matured org
- ▶ Open roles (paid) - hopefully soon - eg:- web development, server maintenance, project management, HR,finance, developer etc.
- ▶ Contributors (can get mileage for next move or can be absorbed)
- ▶ Ease of joining
- ▶ Inclusive , healthy culture. (ego & drama free)
- ▶ Democracy and flat structure

BlissLabs Opportunities



THANK YOU

BlissLabs - blisslabs.org

- ▶ Facebook
- ▶ Telegram
- ▶ Discord
- ▶ LinkedIn
- ▶ X (Twitter)

Bliss OS - blissos.org

- ▶ Matrix
- ▶ Telegram
- ▶ X (Twitter)
- ▶ Discord
- ▶ XDA

Waydroid - waydro.id

- ▶ Matrix
- ▶ Telegram
- ▶ X (Twitter)

WHERE TO FIND US



Get in Touch!