

# OpenClaw Installer

A guided macOS installer for AI governance,  
security hardening, and ethical agent deployment

15

Languages

38

Governance Patterns

29

MCP Skills

187

Automated Tests

# What is OpenClaw?

OpenClaw Installer is a guided, open-source tool that walks teams through setting up AI governance infrastructure — from preflight checks and security hardening to agent pattern deployment and audit logging. It brings the AiGovOps Foundation's framework directly into engineering workflows.

## Architecture

Layer	Technology	Purpose
Frontend	React + Vite + Tailwind + shadcn/ui	Responsive SPA with 15-language support
Backend	Express + Drizzle ORM + SQLite	API server with hash-chain audit log
Routing	Wouter (hash-based)	Sandboxed iframe compatible
Testing	Vitest + Playwright	141 unit + 46 E2E tests
Deployment	GitHub Pages + any static host	Zero-config static deployment

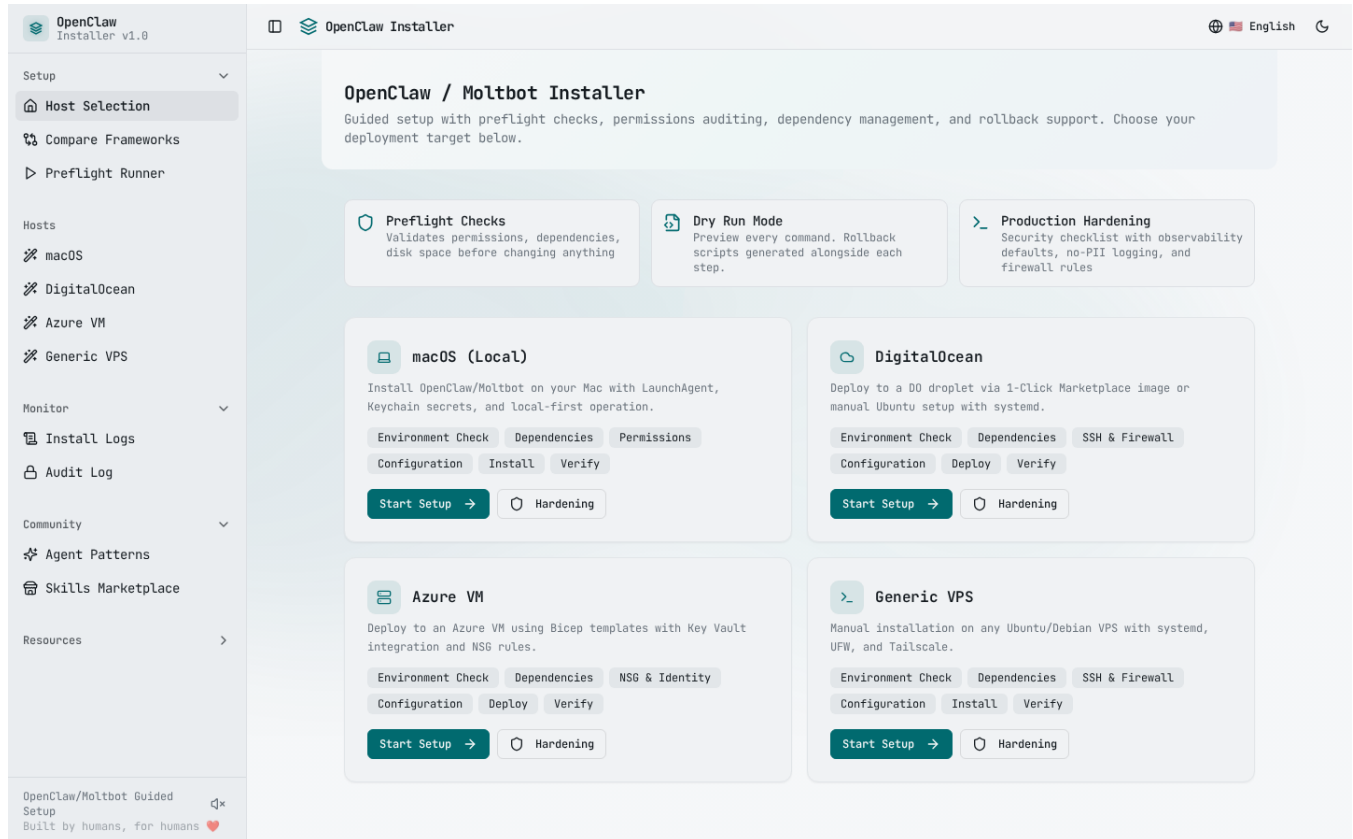
## Key Features

- 15-Language i18n — English, French, German, Chinese, Portuguese, Hindi, Spanish, Arabic, Russian, Turkish, Urdu, Pashto, Swahili, Cherokee, and Braille display mode
- RTL Layout Support — Arabic, Urdu, and Pashto render with proper right-to-left layout using logical CSS properties
- 38 Governance Patterns — YAML-based agent patterns (Greeter, Guardian, Storyteller, Teacher, Peacekeeper, Celebrator + community-contributed)
- 29 MCP Skills Marketplace — Curated Model Context Protocol skills with one-click install and YAML config preview
- Preflight Runner — Real-time SSE streaming checks for permissions, dependencies, security posture before any changes
- Hash-Chain Audit Log — Immutable, cryptographically linked audit trail with integrity verification
- Production Hardening — Step-by-step security checklist with observability defaults
- Framework Comparison — Interactive radar chart comparing AI governance frameworks across 8 dimensions

# App Gallery

## Home — Host Selection

Welcome screen with guided setup cards for macOS, DigitalOcean, Azure VM, and Generic VPS. Ambient background animations and the AiGovOps navy/teal design language.

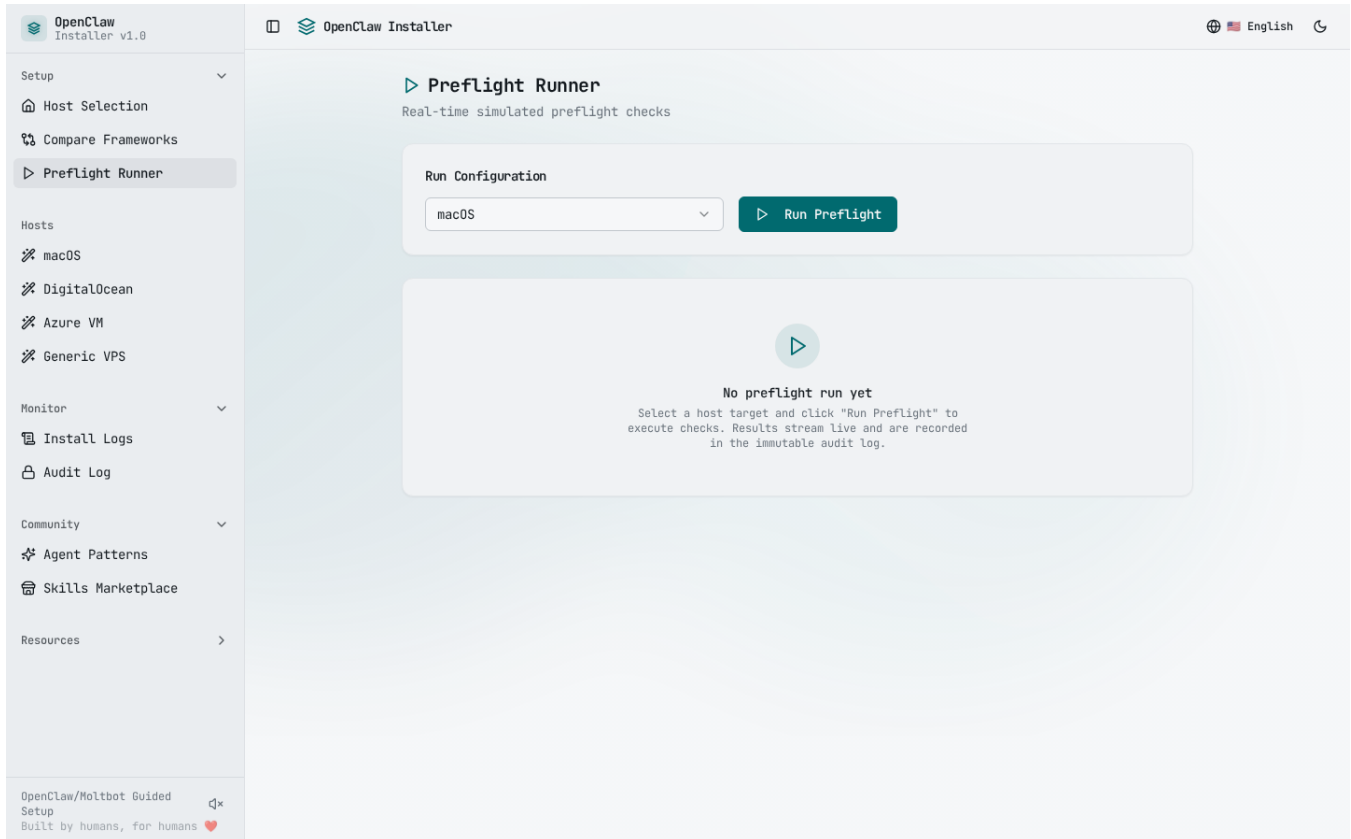


OpenClaw Installer — Home — Host Selection

# App Gallery

## Preflight Runner

Real-time streaming preflight checks via Server-Sent Events. Validates permissions, dependencies, security posture, and system readiness before installation.

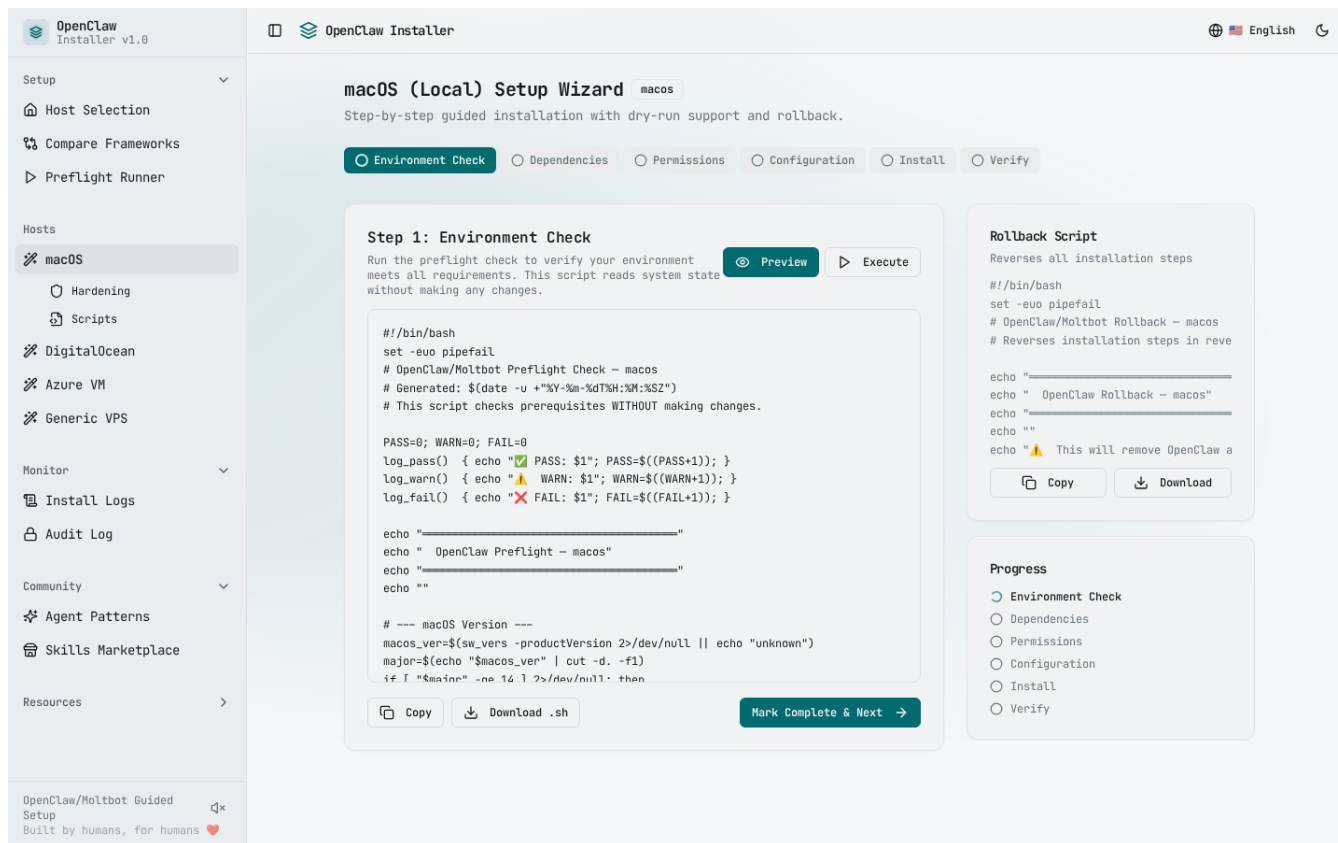


OpenClaw Installer — Preflight Runner

# App Gallery

## Installation Wizard

Step-by-step guided installation with host-specific scripts, rollback commands, dry-run mode, and progress tracking for each deployment target.

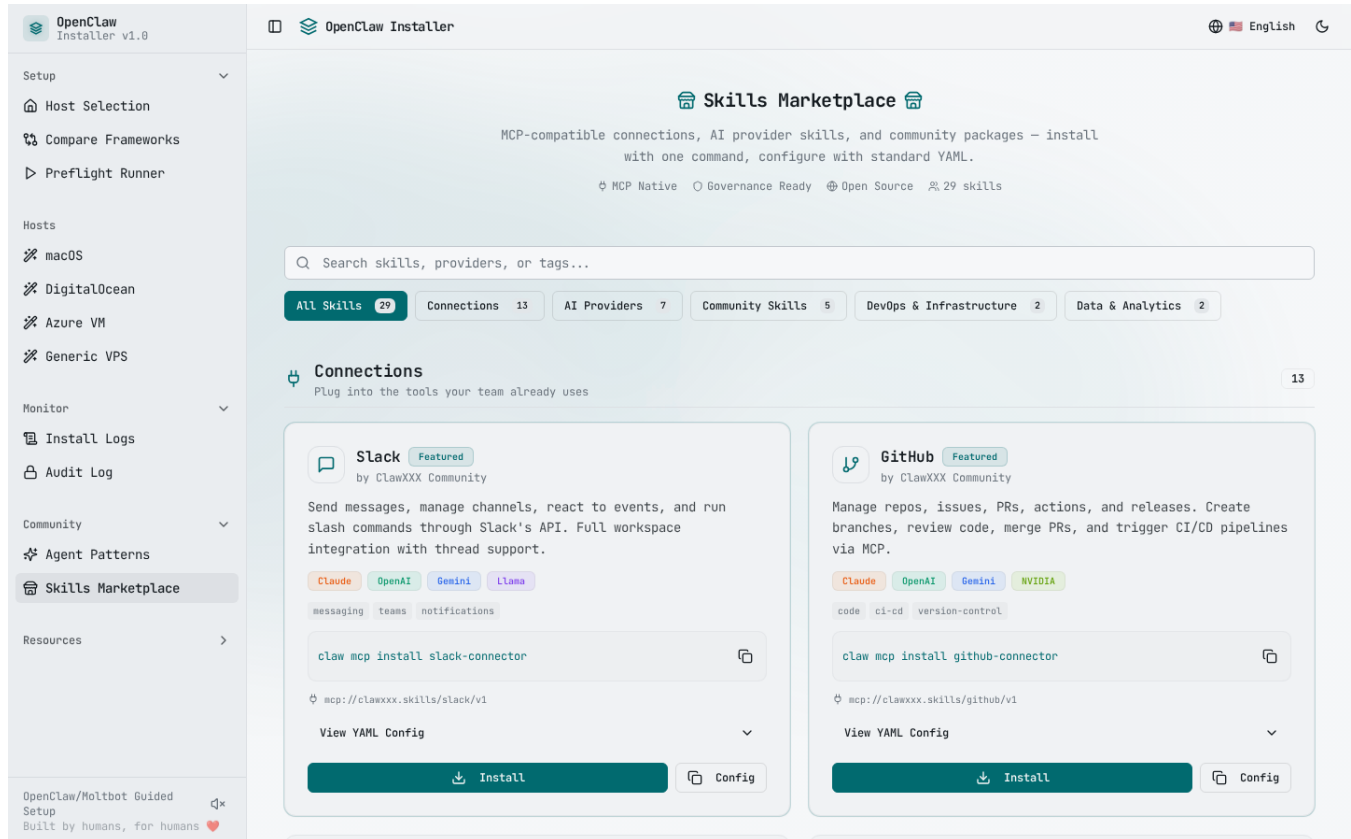


OpenClaw Installer — Installation Wizard

# App Gallery

## MCP Skills Marketplace

29 curated Model Context Protocol skills with provider attribution, featured tags, category filtering, and instant YAML config copy/download.

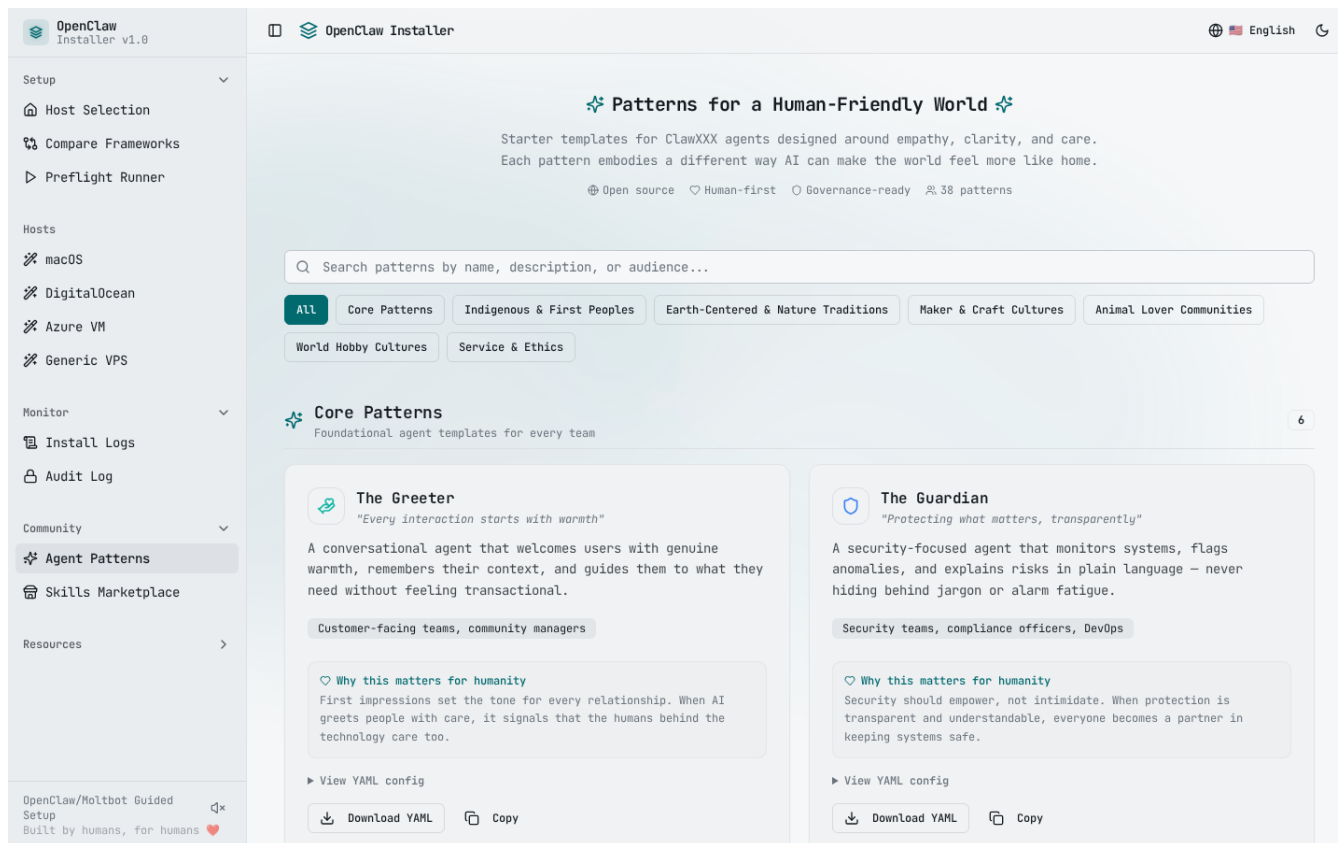


OpenClaw Installer — MCP Skills Marketplace

# App Gallery

## Agent Patterns Catalog

Browse 38+ governance patterns organized by category — search, filter, preview YAML configs, and download directly. Community-contributed patterns alongside core patterns.



OpenClaw Installer — Agent Patterns Catalog

# App Gallery

## Framework Comparison

Interactive radar chart comparing AI governance frameworks (NIST AI RMF, EU AI Act, IEEE 7000, ISO 42001, etc.) across 8 governance dimensions.

The screenshot displays the OpenClaw Installer's Framework Comparison tool. On the left is a sidebar with navigation links: Setup (Host Selection, Compare Frameworks, Preflight Runner), Hosts (macOS, DigitalOcean, Azure VM, Generic VPS), Monitor (Install Logs, Audit Log), Community (Agent Patterns, Skills Marketplace), and Resources. The main panel is titled 'Framework Comparison' and includes a sub-header 'Computer-use agents and orchestration frameworks – benefit, risk, and deployment approach'. It features a selection area for up to 4 frameworks, categorized into Computer-Use Agents (OpenClaw, NemoClaw, Computer Use, Operator / CUA, Browser Use, Agent S2) and Orchestration Frameworks (AutoGen, CrewAI). Below the selection is a 'Radar Comparison' chart with six axes: Autonomy, Ease of Use, Flexibility, Security, Cost Efficiency, and Self-Host Ready. The chart compares three frameworks: OpenClaw (blue), NemoClaw (green), and Computer Use (orange). A legend at the bottom of the chart identifies these frameworks.

OpenClaw Installer — Framework Comparison

# App Gallery

## Production Hardening

Security hardening checklist with toggleable items, progress tracking, and host-specific recommendations for firewall, SSH, monitoring, and observability.

The screenshot displays the 'Production Hardening - macOS' section of the OpenClaw Installer. The interface includes a sidebar with navigation options like 'Setup', 'Host Selection', and 'Hosts'. The main content area shows a progress summary: 1 Completed, 12 Total, and 5 Critical remaining. Below this, there are two sections: 'Network' (1/2 items) and 'Permissions' (0/3 items). Each item in the list has a checkbox, a description, and a severity label (critical or recommended). For example, 'Bind gateway to localhost only' is marked as 'critical' and includes a terminal command: `launchctl print system/com.clawdbot.gateway | grep SocketName`. Another 'critical' item is 'Run under dedicated user account', which includes the command `whoami`. A 'recommended' item is 'Limit enabled skills/channels', with the instruction to 'Start with fewer skills and messaging channels to reduce blast radius. Add incrementally.'

OpenClaw Installer — Production Hardening

# App Gallery

## Release Dashboard

Live GitHub release tracking with governance file compliance checks, SBOM component counts, branch/tag protection status, and changelog previews.

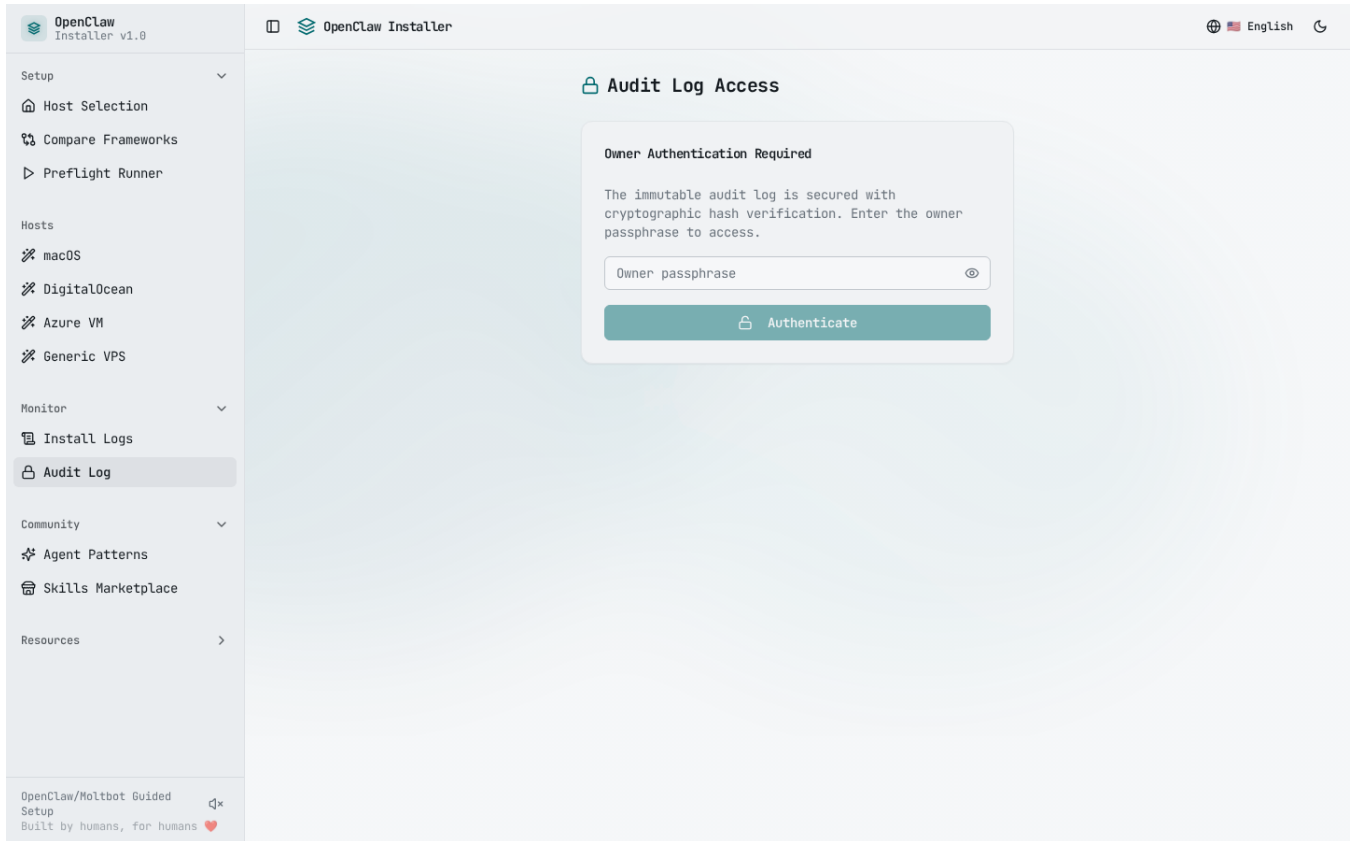
The screenshot displays the 'Release Dashboard' interface for the OpenClaw Installer v1.0. The left sidebar contains navigation options such as 'Setup', 'Host Selection', 'Compare Frameworks', 'Hosts', 'Monitor', 'Community', and 'Resources'. The main content area features a 'Release Dashboard' header with a 'Refresh' button. Below this is a message: 'Thank you for building in the open. Every release is a gift to the community. 2 releases shipped so far. Keep going.' The dashboard includes four summary cards: 'Releases' (2), 'Components' (—), 'Governance' (11/13), and 'Protected' (No). A 'Component Drift Timeline' chart shows the total dependency count and changes across releases, with data points for 'v1.0.0' and 'post-council-2'. The 'Open-Source Governance Health' section lists project safeguards, policies, and community standards, including 'LICENSE', 'Security Policy', 'Contributing Guide', and 'Code of Conduct'.

OpenClaw Installer — Release Dashboard

# App Gallery

## Audit Log

Cryptographic hash-chain audit log with owner authentication, chain integrity verification, and immutable record of all installation actions.



OpenClaw Installer — Audit Log

# App Gallery

## Hosting Deals

Community-curated hosting recommendations with deploy scripts, coupon codes, and one-click deployment options for popular VPS providers.

**OpenClaw Installer v1.0**

**Hosting Deals for OpenClaw**  
Budget-friendly VPS providers vetted for running OpenClaw, Moltbot, and AI governance workLoads

**Kudos to Matt Wolfe & the FutureTools Team** Community Champion

Matt and his team at [FutureTools.io](#) have done more to democratize AI tools than almost anyone in the space. His YouTube channel, newsletter, and curated tool directory help thousands of builders discover the right tools – including hosting that won't break the bank. The OpenClaw project and the AiGovOps Foundation are grateful for creators like Matt who make the ecosystem stronger for everyone.

[YouTube](#) [Newsletter](#) [@mreflow](#)

**\$ Quick Comparison**  
Minimum specs to run OpenClaw: 1 vCPU, 1 GB RAM, 10 GB storage, Node.js 20+

Provider	From	RAM	Storage	Free Credit
IONOS	\$2/mo	1 GB	10 GB NVMe	–
Contabo	\$3.96/mo	8 GB	75 GB NVMe	–
Hetzner	~\$5/mo	4 GB	40 GB NVMe	–
DigitalOcean	\$4/mo	512 MB	10 GB SSD	\$200 (60 days)
Hostinger <span>MATTWOLFE</span>	\$4.49/mo	4 GB	50 GB NVMe	–
Vultr	\$6/mo	1 GB	25 GB NVMe	\$300 (30 days)
Render	Free/\$7	Managed	Managed	Free tier

**Hostinger VPS** Community Pick **\$4.49/mo** [Get VPS + Deploy](#)  
AI-friendly VPS with beginner tools – Matt Wolfe's pick 24-month plan (renews at \$9.99/mo)

@ 1 vCPU, 4 GB RAM, 50 GB NVMe @ 4 TB bandwidth ⚡ 30-day money-back guarantee [Visit Site](#)

Create a VPS, then paste the

OpenClaw Installer — Hosting Deals

# App Gallery

## AiGovOps Foundation

Learn about the Foundation's mission, governance framework, and the team behind the OpenClaw project.

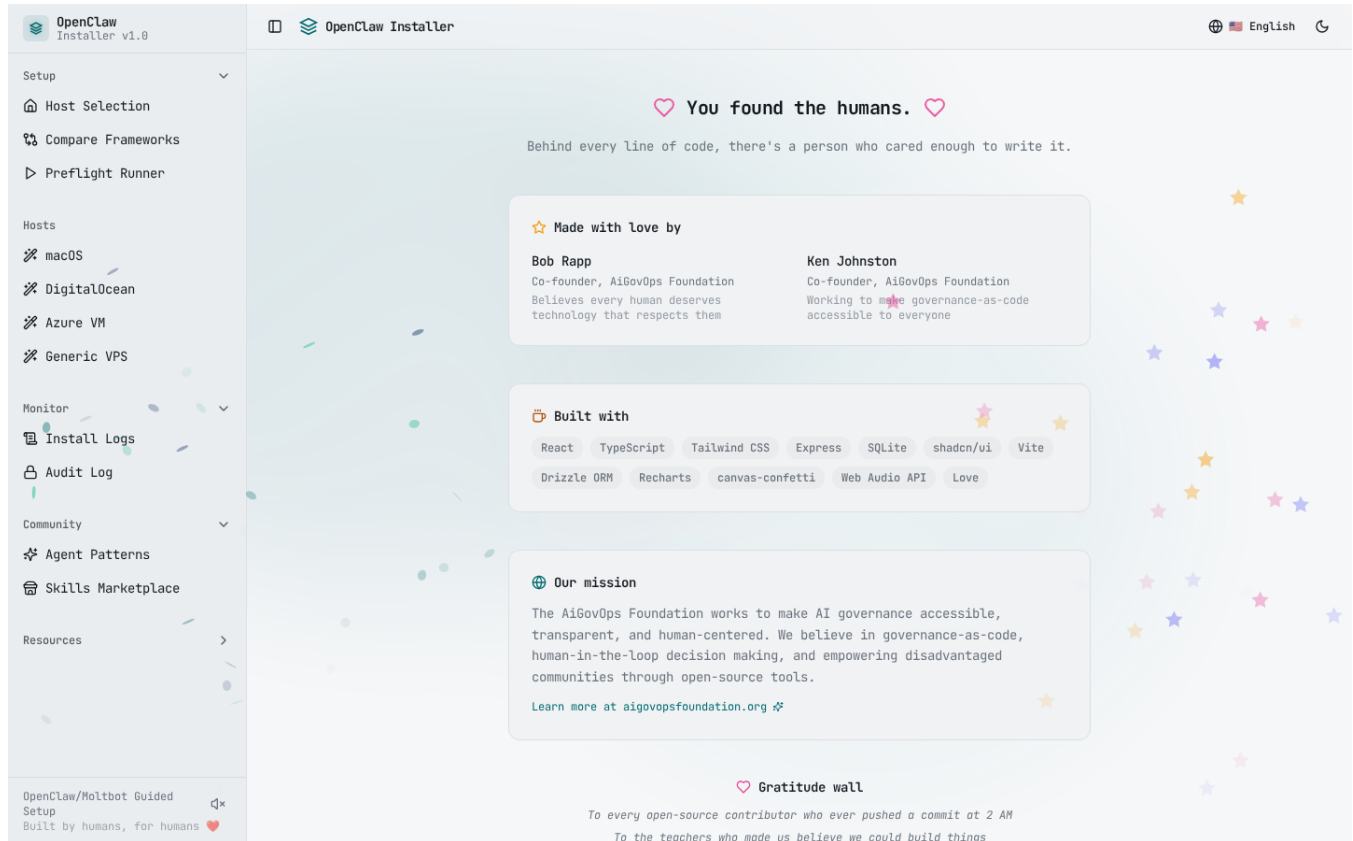
The screenshot shows the OpenClaw Installer v1.0 application. The left sidebar contains a navigation menu with sections: Setup (Host Selection, Compare Frameworks, Preflight Runner), Hosts (macOS, DigitalOcean, Azure VM, Generic VPS), Monitor (Install Logs, Audit Log), Community (Agent Patterns, Skills Marketplace), and Resources (AiGovOps Foundation, Release Dashboard, Hosting Deals, How I Built This). The main content area displays the AiGovOps Foundation page, which includes a mission statement, a list of Co-Founders (Bob Rapp and Ken Johnston), a section on Core Pillars (Governance as Code, AI Technical Debt, Operational Compliance, Community Standards), and an Immutable Logging Standard section.

OpenClaw Installer — AiGovOps Foundation

# App Gallery

## Humans of OpenClaw

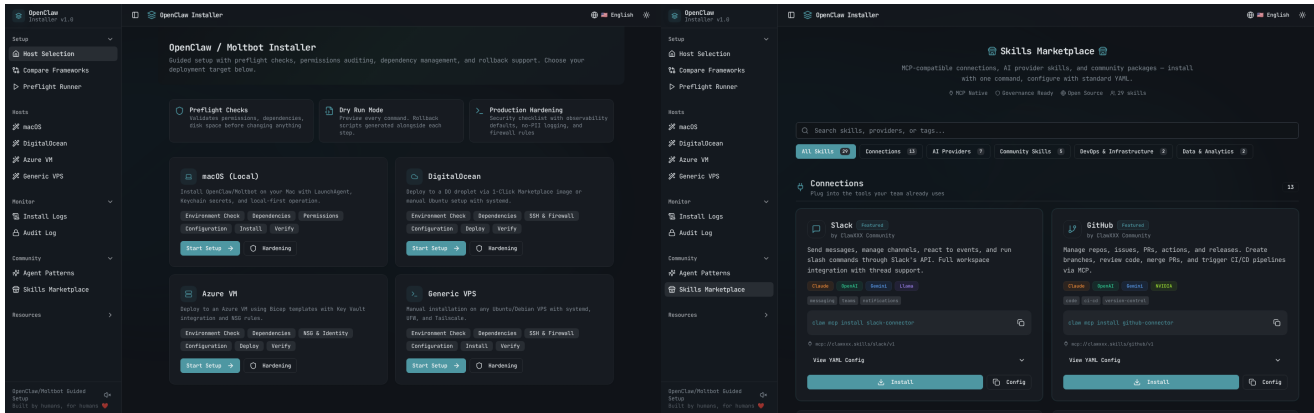
The people behind the project — contributors, community members, and the story of how OpenClaw came to be.



OpenClaw Installer — Humans of OpenClaw

# Dark Mode & Internationalization

Every page supports both light and dark mode with smooth transitions. The entire UI is available in 15 languages with lazy-loaded locale files — including full RTL layout support for Arabic, Urdu, and Pashto.



Home — dark mode

Marketplace — dark mode

# Supported Languages

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Language	Code	Direction	Script
English	en	LTR	Latin
French (Français)	fr	LTR	Latin
German (Deutsch)	de	LTR	Latin
Simplified Chinese	zh	LTR	CJK
Portuguese (Português)	pt	LTR	Latin
Hindi	hi	LTR	Devanagari
Spanish (Español)	es	LTR	Latin
Arabic	ar	RTL	Arabic
Russian	ru	LTR	Cyrillic
Turkish (Türkçe)	tr	LTR	Latin
Urdu	ur	RTL	Arabic
Pashto	ps	RTL	Arabic
Swahili (Kiswahili)	sw	LTR	Latin
Cherokee	chr	LTR	Cherokee
Braille	brl	LTR	Braille

# AI Model Council Review Process

OpenClaw uses a novel "Model Council" approach to code quality: three frontier AI models independently review the full codebase, then their recommendations are synthesized into a ranked consensus backlog. Every improvement is implemented, tested, and shipped.

	Round 1	Round 2	Total
Reviewers	Opus + GPT-5.4 + Gemini Pro	Opus + GPT-5.4 + Gemini Pro	3 models × 2 rounds
Improvements	20 consensus items	20 consensus items	40 improvements
Files changed	96 files	25 files	121 file changes
Lines	+4,754 / -4,110	+340 / -266	+5,094 / -4,376
Tests added	187 (141 unit + 46 E2E)	Maintained	187 total
Bundle impact	Code-split + lazy routes	-152KB (Zod removed)	Significant reduction

## Round 2 Highlights

### Performance

- React.lazy hoisted to module scope — fixes state loss on navigation
- l18n context memoized — eliminates app-wide re-renders
- GitHub API cache (5-min TTL) — prevents rate limiting
- Production bundle reduced 152KB by removing Zod from prod

### Architecture

- apiRequest enforced everywhere — no raw fetch() calls remain
- Shared host-utils.ts replaces 4 duplication sites
- Owner auth context persists across SPA navigation (30-min timeout)
- Per-route ErrorBoundary for resilient lazy loading

### Security

- All clipboard calls use sandbox-safe useCopyToClipboard hook
- Server error logging in all catch blocks
- Language switching race condition guard

### Accessibility

- aria-label, aria-pressed, aria-expanded on all interactive buttons
- Keyboard navigation support across all pages
- Screen reader compatible with semantic HTML

# Get Started

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OpenClaw Installer is open source under the MIT license. Clone the repo, install dependencies, and run locally in under 2 minutes.

## 1. Clone the repository

```
git clone https://github.com/bobrapp/openclaw-installer.git
cd openclaw-installer
```

## 2. Install dependencies

```
npm install
```

## 3. Start development server

```
npm run dev
```

## 4. Run tests

```
npm run test:all
```

## 5. Build for production

```
npm run build
```

## Links

GitHub Repository: <https://github.com/bobrapp/openclaw-installer>

GitHub Pages (Live Demo): <https://bobrapp.github.io/openclaw-installer/>

AiGovOps Foundation: <https://www.aigovopsfoundation.org/>

Release: post-council-2: <https://github.com/bobrapp/openclaw-installer/releases/tag/post-council-2>

Architecture Docs:

<https://github.com/bobrapp/openclaw-installer/blob/master/docs/frontend-architecture.md>

Contributing Guide: <https://github.com/bobrapp/openclaw-installer/blob/master/CONTRIBUTING.md>

## Credits

OpenClaw Installer is a project of the AiGovOps Foundation, co-founded by Bob Rapp and Ken Johnston.

The Model Council review process leveraged Claude Opus 4.6, GPT-5.4, and Gemini 3.1 Pro to independently audit the codebase and produce consensus improvement recommendations.

Built with React, Express, Tailwind CSS, shadcn/ui, Drizzle ORM, Vitest, and Playwright.