

- KeyHelp Integration
- 100% Free & Open Source (MIT)
- 0 KB Database Requirement
- 18 Languages
- HIBP Password Protection

Executive Summary & Technical Overview

KH-Register is a state-of-the-art, database-free self-service registration system designed specifically for KeyHelp hosting environments. It provides hosting providers, system administrators, and resellers with an automated 24/7 onboarding workflow that reduces manual support overhead to zero while enforcing rigorous security standards.

KEY TECHNICAL SPECIFICATIONS

Target Environment	KeyHelp Control Panel	Runtime Engine	PHP 7.4 / 8.0 / 8.1 / 8.2 / 8.3 / 8.4+
Database Overhead	0 KB (Zero-Database Architecture)	Supported Webservers	Apache, NGINX, LiteSpeed, OpenLiteSpeed
Breach Protection	Have I Been Pwned (k-Anonymity API)	Anti-Bot Captcha	Altcha, Turnstile, hCaptcha, reCAPTCHA
Internationalization	18 Languages (Auto-Detect)	Licensing	MIT License (100% Free)

PERFORMANCE & BENCHMARK COMPARISON

Metric / Feature	KH-Register (Automated)	Manual Admin Creation
Time Per Registration	⚡ < 30 Seconds (Instant)	🕒 5 – 10 Minutes (Manual Support)
Service Availability	✓ 24/7 Automated Self-Service	✗ Support office hours only
Email Verification	✓ Instant Token Bucket	✗ Manual email confirmation
Compromised Password Check	✓ Real-Time HIBP k-Anonymity	✗ No breach detection
Spam & Bot Filtering	✓ Altcha / Turnstile / MX DNS	✗ Ticket verification
Database Maintenance	✓ Zero Maintenance (Flat Files)	✗ MySQL database overhead

TARGET USE-CASES

**Web Hosting Providers**
Automate client onboarding for free or promotional hosting packages without manual staff intervention or complex billing setups.

**Sysadmins & DevOps**
Deploy a zero-maintenance registration portal in seconds. No SQL databases to back up, zero dependency footprint.

**Resellers & Agencies**
Issue exclusive invite-code registrations for VIP client portals, staging servers, and restricted hosting groups.

**Educational Institutes**
Provide instant web development accounts for students and lab classes with domain-restricted email verification.