

# Labyrinth CMS: More Than a Platform. A Digital Fortress.



A production-ready CMS and E-commerce engine built on a foundation of proactive cyber deception.

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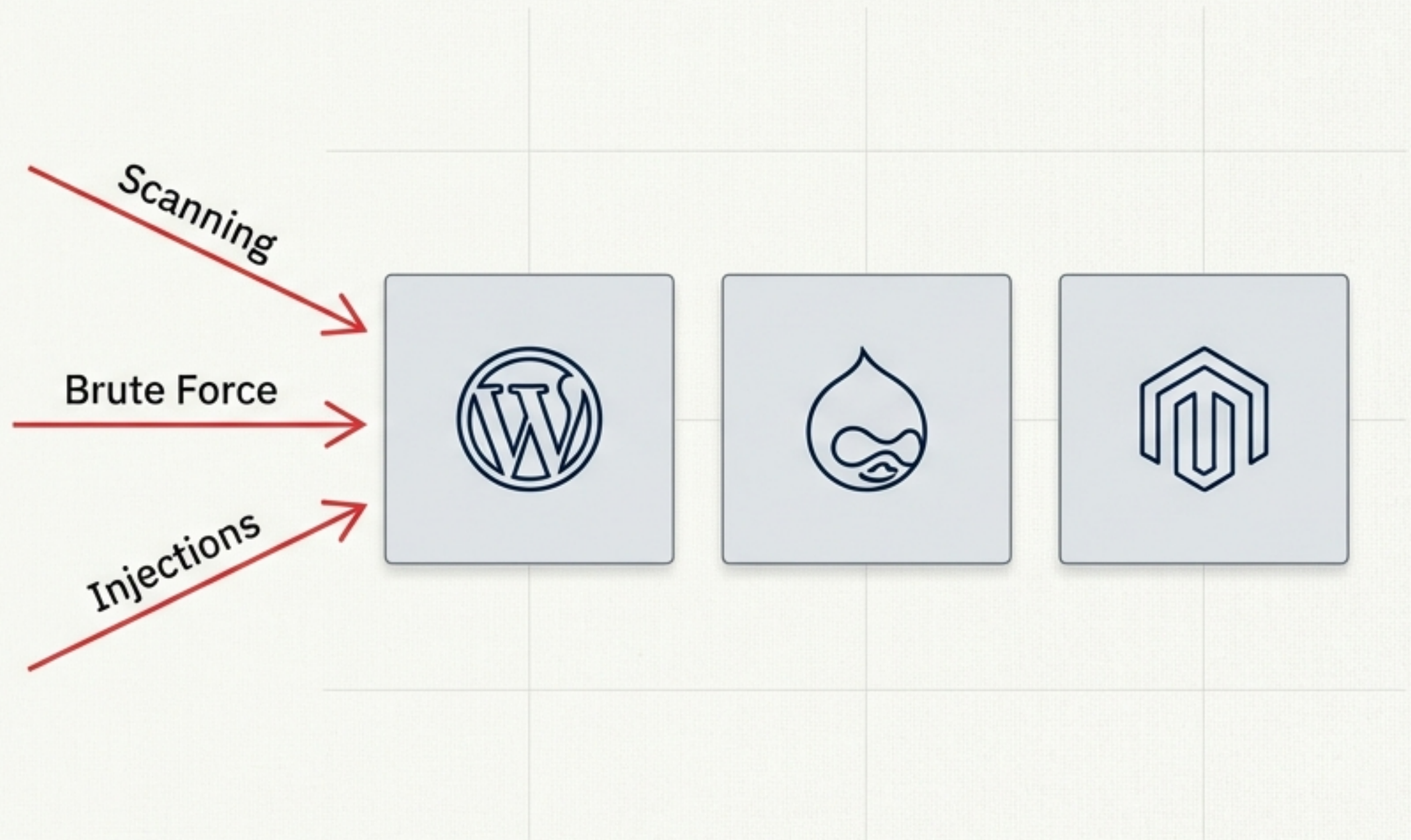
Laravel 10.10+ | Full E-Commerce Suite | 10-Layer Security Architecture | Moving Target Deception

# The Modern Web Platform is a Predictable Target.

Attackers rely on predictability. They scan for known fingerprints, exploit common vulnerabilities, and target monolithic platforms.




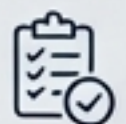
Traditional CMS architectures offer a static, known attack surface, making them prime targets for automated attacks.

Protecting a modern website requires more than reactive defense; it requires changing the nature of the target itself.




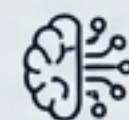


# Layer 1: A Complete, Production-Ready Content & Commerce Engine.



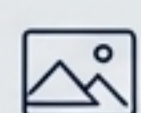
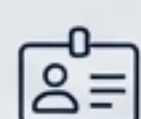
## Comprehensive Content Management

-  Section-based page builder (12 types)
-  Full blog system with custom post types
-  Advanced taxonomy (categories & tags)
-  Content revision history & approval workflows



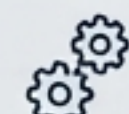
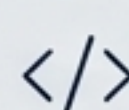
## Full-Featured E-Commerce Platform

-  Product catalogs with attributes & variations
-  Integrated cart, checkout, & order management
-  Multiple payment gateways (Stripe, PayPal, etc.)
-  AI-powered descriptions, pricing, & recommendations

## Robust User & Media Management

-  Granular roles & permissions (50+)
-  Two-Factor Authentication (2FA)
-  Advanced media library with image editing
-  Complete user CRUD & session tracking

## Advanced Customization & Integration

-  Full theme system with live customizer
-  Integrated theme marketplace (SCM support)
-  Seamless ABBIS 3.3 business system integration
-  Dual APIs (REST & GraphQL) for headless capabilities

# The CMS Core is Built for Professional Publishing Workflows.

## Content Creation & Workflow

- ✓ WYSIWYG editor (Quill-based)
- ✓ Section-based page builder (12 section types)
- ✓ Reusable content blocks & templates
- ✓ Publishing workflow (draft, scheduled, published)
- ✓ Content revision history & autosave
- ✓ Multi-stage content approval workflow
- ✓ SEO meta tags, custom slugs, permalinks

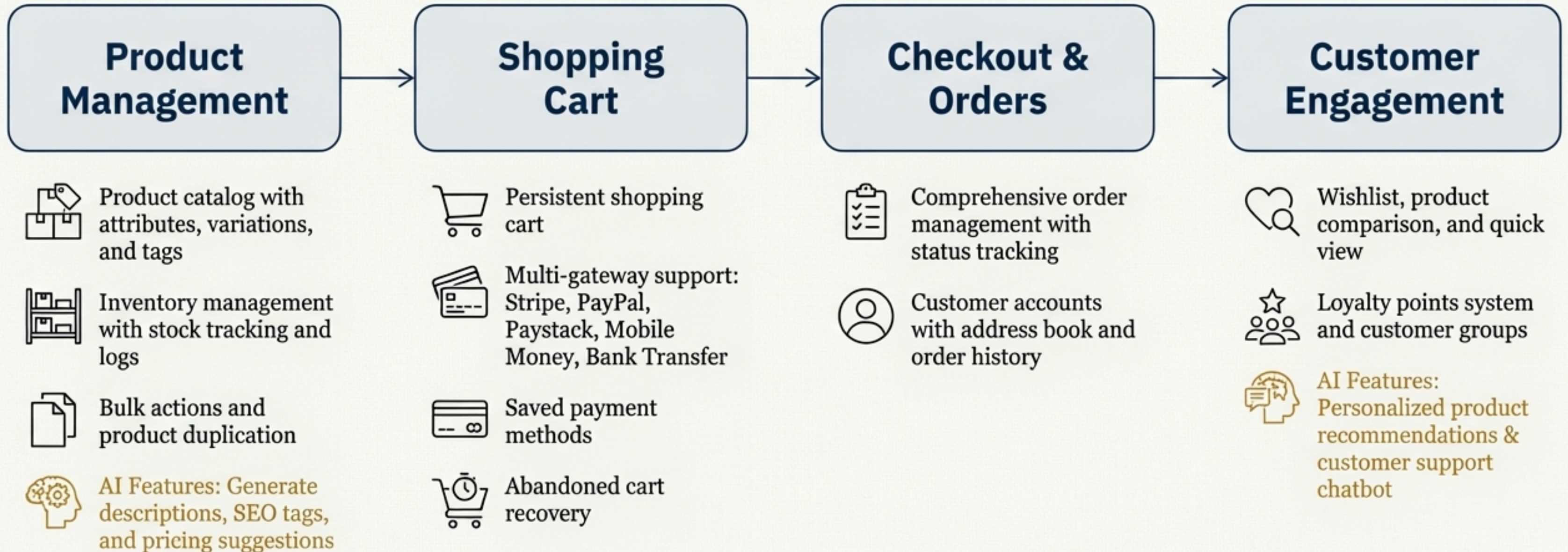
## Organization & Taxonomy

- ✓ Hierarchical categories with descriptions
- ✓ Tagging system with tag cloud
- ✓ Custom post types
- ✓ Multi-level menu management (drag-and-drop)
- ✓ Widgets and multiple sidebar areas

## Rich Media & User Management

- ✓ Media library with bulk operations
- ✓ Image editing (crop, resize, filter, compress)
- ✓ Role management with 50+ granular permissions
- ✓ Visual permission matrix
- ✓ Two-Factor Authentication (2FA)

# An Integrated E-Commerce Platform Powers Your Entire Digital Storefront



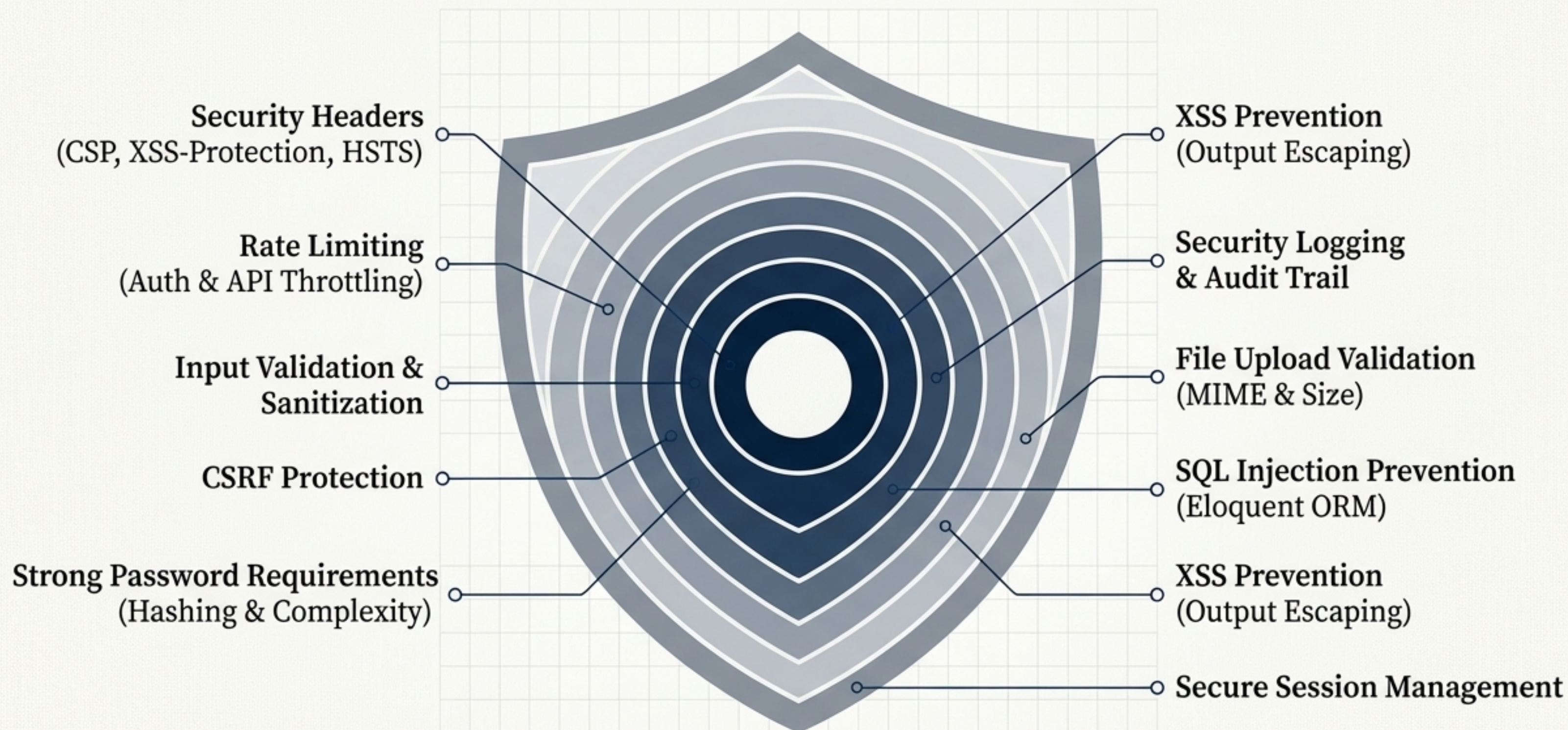
# But a Feature-Complete Platform is Still a Predictable Platform.



Competency is not security. A predictable architecture, no matter how robust, provides a clear target for attackers.

This is where Labyrinth changes the rules of the game.

## <Layer 2: A Fortress Built on a 10-Layer Security Architecture.



# Layer 3: The Ghost in the Machine—Proactive Cyber Deception

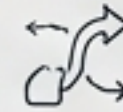
Labyrinth doesn't just defend. It actively deceives and misdirects attackers, turning their efforts into valuable threat intelligence.



Attacker



Labyrinth CMS



## Moving Target Deception

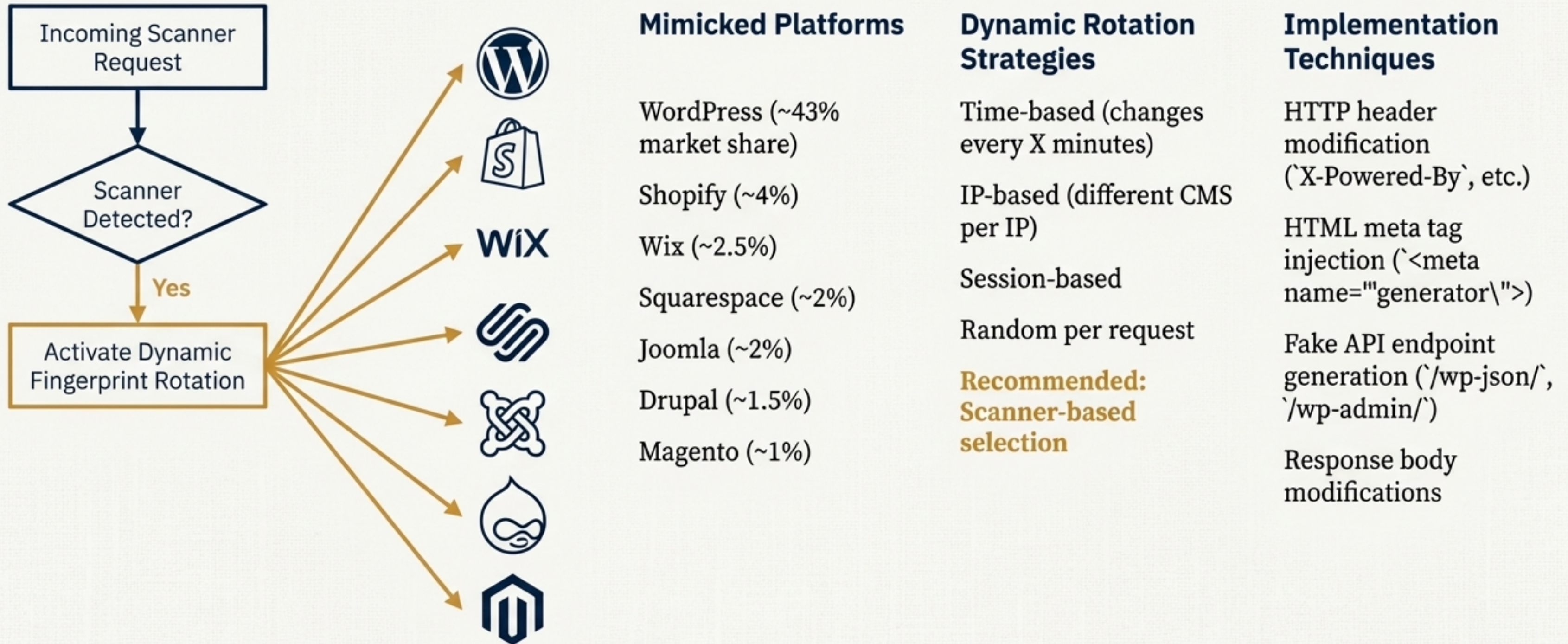
**Concept:** Dynamically changes its fingerprint to mimic 7 of the world's most popular CMS platforms.  
**Effect:** Confuses and frustrates automated scanners, making Labyrinth an unidentifiable and constantly shifting target.



## Honeypot Systems

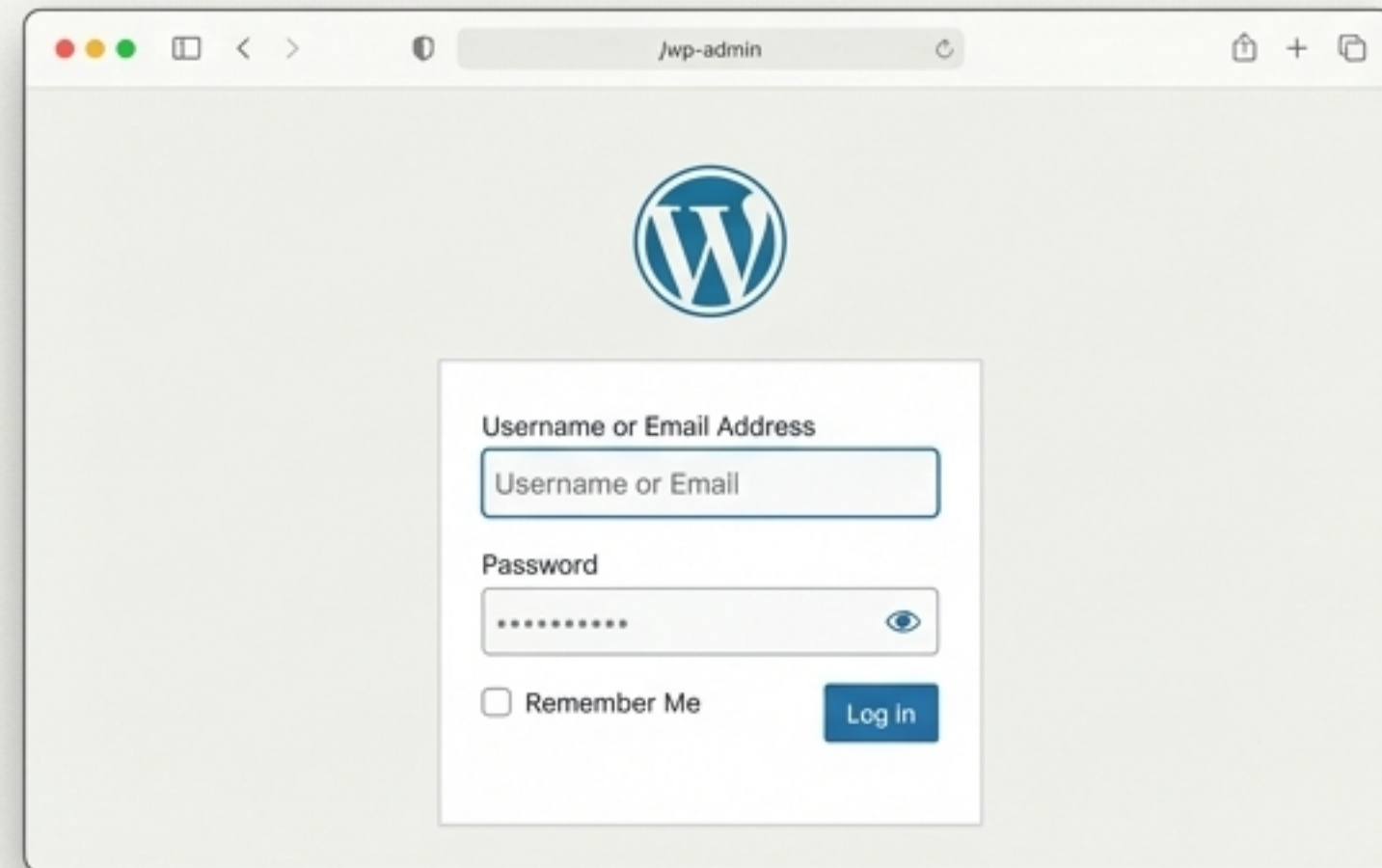
**Concept:** Lures attackers into a fully interactive, fake WordPress admin panel.  
**Effect:** Safely captures credentials, analyzes attack patterns, and identifies malicious actors without exposing the real system.

# How Moving Target Deception Makes Labyrinth an Unknowable Target

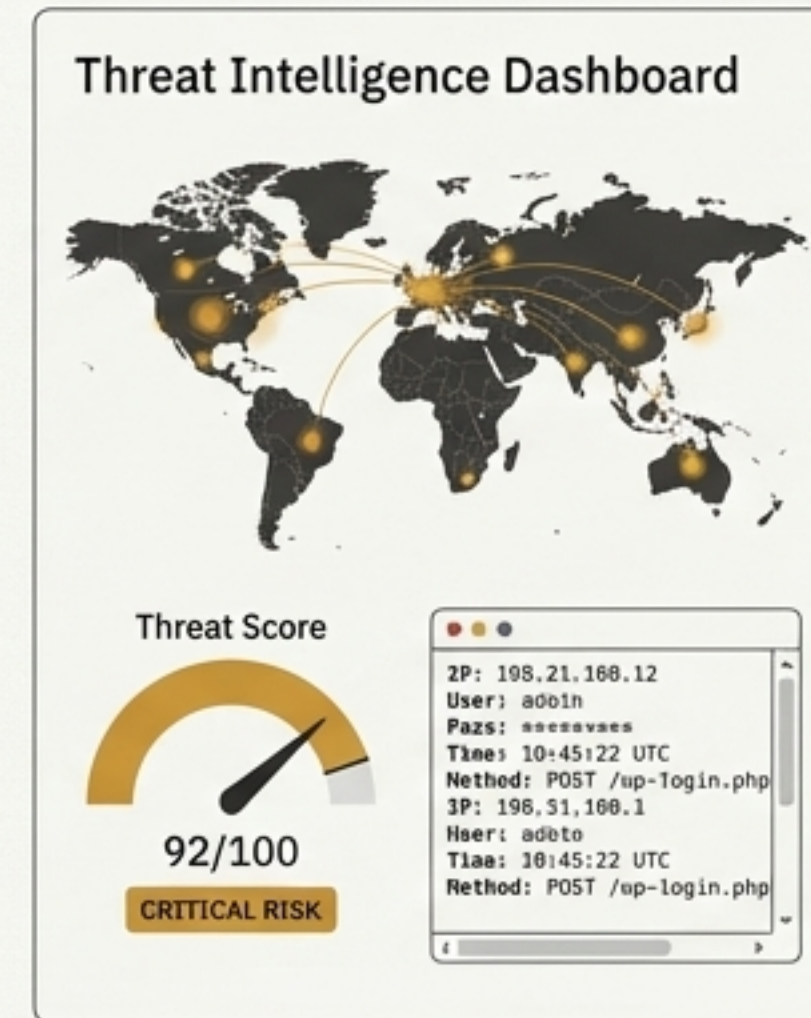


# The Honeypot: Turning Attackers into Intelligence Sources

**Key Feature:** A fully interactive, convincing replica of the WordPress admin panel traps attackers.



## Intelligence Gathered from Trapped Attackers



- ✓ **Credential Logging:** Captures all attempted usernames and passwords.
- ✓ **Attack Pattern Analysis:** Tracks brute-force attempts and common attack vectors.
- ✓ **Threat Scoring:** Calculates a threat score based on attacker behavior.
- ✓ **IP Reputation Checking:** Cross-references IP with known blocklists.
- ✓ **GeoIP Tracking:** Pinpoints the geographic origin of the attack.

# The Foundation: A Modern, Enterprise-Ready Technology Stack.

Component	Technology	Version
Framework	Laravel	10.10+
PHP	PHP	8.1+
Database	MySQL/MariaDB	8.0+
Frontend Build	Vite	5.0+
CSS Framework	Tailwind CSS	3.4+
JavaScript	Alpine.js, Chart.js, Quill, Various	Various
GraphQL API	Lighthouse	6.63+
Authentication	Laravel Sanctum	3.3+
2FA	Google2FA	9.0+

# Engineered for Developers, Performance, and Scale



## Robust Architecture

IBM Plex Sans Medium

- ✓ MVC Pattern with a dedicated Service Layer (56 services)
- ✓ Repository Pattern for data abstraction
- ✓ Policy Pattern for authorization (16 policies)
- ✓ Extensive use of Middleware for security



## Developer Experience

IBM Plex Sans Medium

- ✓ Dual APIs: REST (v1 & v2) and GraphQL
- ✓ Auto-generated API documentation
- ✓ Comprehensive documentation (269 files)
- ✓ PHPUnit test suite
- ✓ Code quality enforced with Laravel Pint



## Performance Optimization

IBM Plex Sans Medium

- ✓ Multi-level caching (query, view, route, config)
- ✓ Edge caching support
- ✓ Optimized database with indexing and eager loading
- ✓ Frontend asset bundling and minification with Vite

# A Comprehensive Platform, Validated by the Numbers.

## Codebase Statistics

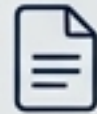
**500+**

Routes



**270+**

Blade Views



**100+**

Controllers



**93**

Database Migrations



**76**

Models



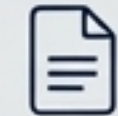
**56**

Services



**269**

Documentation Files



## Feature Depth

**50+**

Core Content Management Features



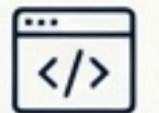
**40+**

E-Commerce Features



**50+**

Unique API Endpoints



# Built for a Spectrum of Demanding Use Cases



## Corporate Websites

Build secure, high-performance sites with advanced content tools, team pages, and portfolio displays.



## E-Commerce Stores

Launch complete online stores with full product, order, order, and customer management capabilities.



## Blogs & News Sites

Run professional publishing platforms with robust post management, management, taxonomies, and commenting.



## Business Integration

Connect directly to core business systems like ABBIS 3.3 for seamless data flow (quotes, (quotes, jobs, inventory).



## Security-First Applications

Deploy for any application where security and threat intelligence are intelligence paramount, using deception as a primary defense.

# Labyrinth CMS: A New Paradigm in Web Platform Security.



**Labyrinth is not a CMS with security features. It is a security platform that contains a world-class CMS and E-commerce engine. It redefines platform defense from a reactive posture to a proactive, intelligent strategy.**

✓ **Production-Ready:**  
A complete, mature, and fully tested platform.

✓ **Feature-Complete:**  
Rivals or exceeds market leaders in CMS & E-commerce functionality.

✓ **Security-First:** Built from the ground up on a 10-layer security foundation.

✓ **Proactive Deception:** The only platform with integrated Moving Target Deception and Honeytrap systems.