

OpenLegacy Community Developer Toolset

Zero-Friction Modernization Through Free Developer Tooling

Overview

The OpenLegacy Community Toolset is designed to critically address the most significant friction points encountered during enterprise legacy modernization projects. The Community provides solutions as an indispensable, zero-cost resource for development teams. By immediately eliminating high-latency, proprietary access methods, the toolset directly facilitates accelerated development cycles, ensures rigorous audit compliance, and substantially enhances developer productivity across all core modernization initiatives. For organizations, these tools act as a powerful catalyst, derisking the initial phases of migration and enabling seamless integration with the cloud ecosystem.

Professional-grade tools for legacy system development and modernization.



OL TERMINAL

Web-based terminal applications for mainframe and AS/400 systems

- ✓ 1:1 real 3270/5250 terminal behavior
- ✓ Support for printing and arrows
- ✓ Central admin control



OL CODE

Web-based IDE for legacy code development (COBOL, RPG)

- ✓ Easy code exploration & editing
- ✓ Advanced searching capabilities
- ✓ Compiling and downloading



SQL

Web-based database console for legacy and modern databases

- ✓ Multiple DB connections
- ✓ Schema browsing & SQL execution
- ✓ Data migration tools

OL Terminal: Browser-Based Legacy Access and Audit

OL Terminal represents a mandatory shift from outdated, costly, and locally-managed desktop emulators to a high-security, browser-based access mechanism. This critical service ensures unified, secure access to mission-critical 3270 (Mainframe) and 5250 (AS/400) protocols, supporting centralized governance for development and operations teams globally. It removes a primary bottleneck for distributed teams, including AWS consultants and partners, who require access to client legacy environments.

KEY OPERATIONAL BENEFITS



Zero Install Friction

The 100% web-based architecture eliminates the considerable overhead associated with the installation, configuration, and maintenance of local desktop software across development environments.



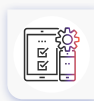
Mandatory Auditable Security

Centralized connection control is enforced, and all access sessions feature mandatory Session Recording capabilities, providing a complete audit trail essential for regulatory compliance (e.g., SOX, GDPR).



Accelerated Cloud Onboarding

Provides immediate, secure access for cloud engineering teams to begin analysis and integration work without complex VPN setups or software procurement cycles.



Unified Experience

By standardizing the interface, the tool ensures a consistent, high-fidelity UI/UX, minimizing training requirements and deployment variability across the organization.

Feature	OL Terminal (Web)	Traditional Desktop Emulator
Setup Speed	95	30
Security & Audit	90	50
Remote Access	100	20
Protocol Support	95	95
User Experience	90	40

OL-Code: Modern Integrated Development Environment (IDE)

OL-Code elevates the legacy code editing process by replacing cumbersome greenscreen tools (like ISPF) with a sophisticated, web-based Integrated Development Environment (IDE) experience. This significantly enhances developer workflow by integrating modern features vital for efficient maintenance and modification of core legacy applications. It empowers developers to work on COBOL or RPG with the same efficiency they expect from modern languages, directly preparing legacy assets for API generation and cloud integration.

BROAD LANGUAGE SUPPORT

OL-Code provides comprehensive, production-ready support for the primary enterprise core system languages, ensuring immediate productivity for teams working on:



COBOL (All Dialects, including IBM Enterprise COBOL)



RPG / RPG II / IV & ILE



JCL (Job Control Language)



CICS Programs

ESTIMATED EFFICIENCY GAINS (WORKFLOW VELOCITY)

The introduction of modern IDE features like syntax highlighting, code completion, and advanced search drives substantial improvements in core development tasks.

Task	With OL-Code (Score out of 100)	Legacy Green Screen (Score out of 100)
Code Search & Navigation	90	30
Compilation & Debug Cycle	85	40
Syntax Error Identification	95	20

SQL: Universal SQL Data Console

SQL (SQL for OpenLegacy) resolves pervasive data access and integration challenges by offering a secure, singular web interface. This console is engineered to query and manage data across heterogeneous environments, spanning legacy systems (e.g., DB2, DB400) and modern relational platforms (e.g., Oracle, MySQL, PostgreSQL). This universal abstraction is critically important for data analysis, integrity checks, and preintegration activities required for any cloud migration or data synchronization project.

KEY CAPABILITIES



Schema Unification

Provides the ability to visualize and explore complex data structures (including copybooks) across disparate systems from a single, consistent schema view, enabling faster data discovery.



Universal Querying

Execute standard SQL queries against both relational and non-relational mainframe data sources, abstracting away the complexity of underlying file systems like VSAM.



Data Migration Tools

Includes critical utility functions necessary to copy schema and underlying data between environments, thereby drastically accelerating controlled migration and replication projects to cloud databases.

SUPPORTED DATABASE CONNECTIVITY

The SQL console provides robust, equalized connectivity across the following major database types, making it an ideal tool for hybrid cloud data strategies:



Mainframe DB2 &
VSAM Files



IBM AS/400
DB2/400



Oracle Database



MySQL /
PostgreSQL



Modern Cloud DBs (General support
for JDBC-compliant databases)

Flexible Deployment Architecture

The Community toolset is architecturally designed for maximum flexibility, supporting both lightweight, ephemeral containerization and stable, traditional server deployment to integrate seamlessly into existing enterprise infrastructure and cloud strategies.

Option A: Docker Image Deployment

Containerized & Consistent Environment. The tooling is packaged into lightweight Docker images.

Benefit: This approach is highly recommended for rapid deployment, integration with cloud-native strategies, and seamless incorporation into modern CI/CD pipelines, ensuring environment consistency and scalability.

Option B: Standalone JAR Deployment

Flexible On-Premise Execution. The tools are distributed as a single, executable Java Archive (JAR) file.

Benefit: This option is suitable for legacy Java environments, custom server configurations, or scenarios requiring immediate local execution without a container runtime, offering maximum deployment control.

SYNERGY WITH THE AWS ECOSYSTEM

The OpenLegacy Community Toolset is not just a standalone offering; it's a strategic enabler for AWS-led modernization. By reducing the initial cost and complexity of interacting with legacy systems, these tools directly support and accelerate customer journeys to the AWS cloud.



Pre-Migration Analysis

Use SQL and OL-Code to analyze data structures and business logic, informing migration strategies for services like **Mainframe Modernization** or database migrations.



API Enablement

While the full OpenLegacy platform automates API creation, these tools allow developers to manually refactor and prepare legacy code to be exposed as services.



De-risking PoCs

Enable rapid, low-cost Proof-of-Concepts by providing immediate, secure access to legacy systems for Professional Services and partner teams, proving the value of integration before significant investment.

Conclusion and Strategic Implementation

The OpenLegacy Community Toolset is immediately accessible as a free, professionalgrade resource for all development teams. It is engineered to remove the most common and costly barriers at the start of any modernization journey. We strongly recommend that organizations strategically leverage these tools to accelerate critical proof-of-concepts, achieve measurable improvements in daily developer productivity, and effectively de-risk the initial, high-cost phases of legacy modernization efforts.

About OpenLegacy

OpenLegacy is the only AI-driven platform that eliminates legacy modernization risk

OpenLegacy enables agile phased modernization. The OpenLegacy Hub is the only platform that delivers agile, continuous, structured legacy modernization—eliminating risk, simplifying complexity, and accelerating cloud adoption. With AI-driven automation, OpenLegacy ensures business continuity while enabling enterprises to modernize at their pace and unlock immediate business value. Trusted by global tier 1 institutions and enterprises, OpenLegacy ensures organizations achieve successful legacy transformation on their terms.