

DATASHEET

APIs and the Mainframe: Akana Sola

Akana's Sola, together with Akana's API platform, provides an efficient, simple, reliable, fast way of integrating legacy applications and data into newer, more modern, applications by exposing them as fully governed and secured APIs. This enables the simple incorporation of long-established business rules without writing code, and without risk to your business, all while using industry best practices.

Sola Versions:

- Sola 6.0 – Our “traditional” version, proven for two decades.
- Sola 2019.0.0 – Our newest java versions of the Sola Run-Time.

Together these versions give you complete flexibility to set up your environment in a way that best suits your needs today, and in the future. All versions utilize the same patented metadata eliminating the need to recreate APIs as you move between architectures.

Capabilities:

- Sola's proven ability, now integrated with Akana's industry leading API platform, provides a best of breed API solution for your entire enterprise
- Expose and consume SOAP/REST APIs from multiple sources: COMMAREA, CONTAINER, BMS3270, IMS transactions and subroutines, batch programs, and DB2 stored procedures
- REST Designer makes it easy to establish REST access to current APIs or build REST APIs from scratch
- Supports and produces SWAGGER (Open API), RAML, and WSDL

- XML and JSON support for input and output payloads
- No special skills needed to quickly create fully governed APIs
- Production proven in mission critical environments for large enterprises
- Easy-to-use, fully integrated, drag and drop browser-based development environment
- Full monitoring, logging, and auditing included natively in the product
- Integrates with your ChangeMan and Endeavor management systems
- Supports HTTP, HTTPS (SSL or AT-TLS), and MQ as transport layers
- Handles industry standard AuthN/AuthZ protocols (UserId/Pswd, OAuth, OpenID, SAML, Kerberos, etc.)
- Customizable using a variety of interfaces
- Standards based (XML, JSON, HTTP, SOAP, and much more)
- Online and Batch capable
- Integrated testing facilities
- Security based on industry standards
- Global Dictionary for easy translation of abstruse COBOL variable names
- Orchestration

Benefits:

Sola can quickly and easily expose your mainframe applications and data as fully governed and secured APIs for use in modern distributed applications, significantly reducing time to market. Sola allows for new or existing mainframe applications to easily consume external APIs.

With Sola there is no need to write any new code or scripts. The runtime architecture lowers total cost of ownership (TCO) and improves performance and reliability.

APIs and the Mainframe

The mainframe is still the backbone of many enterprise core systems that process billions of transactions every day. Moving existing applications and data off the mainframe has often proven to be costly, time consuming, unreliable, and risky to your business. Corporate IT organizations are struggling to satisfy the demands that businesses place on them such as:

- Keeping the business stable
- Lowering operating costs
- Responding to rapidly changing market conditions and business needs
- Modernizing the application portfolio

These challenges are particularly acute when maintaining host mainframe applications which are often isolated in a “closed” environment. This has proven to be an obstacle for companies struggling to find ways to expose their mainframe applications to the internet. Sola enables you to leave these artifacts where they are and seamlessly incorporate them into your enterprise API ecosystem. Using modern APIs represents a paradigm shift in the way that enterprises build applications; it allows organizations to overcome this obstacle.

Integrating mainframe applications helps grow the ROI that this architecture promises to the enterprise. In addition, the ability to quickly create and deploy secure microservices based on mainframe data will give organizations enhanced agility and options when creating new functionality in modern application portfolios.

Sola Together With the Akana API Platform: A Single Comprehensive and Complete Solution

Sola enables mainframes to both expose and consume APIs. It bridges the gap between mainframe applications and data, and the distributed world, leveraging decades of investment. Sola accomplishes this without any additional coding or cross platform skills training.

Sola’s seamless integration with Akana’s API platform allows you to take advantage of our industry leading API governance toolset but, just as importantly, means that you are now able to completely govern and secure ALL of your enterprise APIs from a single platform. This rich set of governance tools combined with Sola’s unmatched power for creating professional looking APIs means that you can quickly and easily produce and deploy APIs from your mainframe artifacts with complete confidence.

In addition, Sola is also fully integrated with Lifecycle Manager. This means that the creation and lifecycle of ALL APIs is governed from a single platform eliminating unwanted surprises when trying to manage your enterprise API Portfolio.

Highlights

Proven in production at many Fortune 500 companies, Sola has received much praise, including being awarded the prestigious InfoWorld 100 award.

Proven Stability: Sola runs some of the largest mainframe API solutions on Wall Street, with single customers regularly running in excess of 100,000,000 API requests per day. No production outages in over 15 years.

Cost Savings: A single customer has reported a two-year savings of over \$43,000,000 from Sola.

Speed and Efficiency: APIs can be developed, deployed, and secured from your mainframe programs in a matter of minutes – the fastest on the market hands down.