Universal Mainframe Access

Rocket Data® - Integration Tools

- Direct real-time access to relational and non-relational mainframe data
- Point-and-click development simplicity for mainframe web services
- Rapid web transformation for 3270 5250 screens
- Real-time mainframe event capture, enrichment, and publishing
- zIIP specialty engine exploitation for reduced mainframe TCO
- Unified management console for diagnostics and control

A significant portion of the world's business data and applications continue to run on mainframe systems. The Rocket Data Integration Tools enable organizations to rapidly redeploy and reuse mainframe artifacts without the need for multiple, redundant point integration solutions. The products provide developers with a variety of standards-based tools to incorporate mission-critical mainframe data, programs or screen functionality quickly and easily to meet mainframe data integration and modernization requirements, regardless of the integration paradigm.

This reduces complexity, eliminates potential points of failure, and significantly lowers total cost of ownership (TCO). In fact, the underlying mainframe runtime for the products was re-engineered to take advantage of the latest advances in IBM System z hardware and software. For customers using mainframe specialty engines, such as the System z Integrated Information Processor (zIIP), the Rocket integration tools can divert up to 99% of their integration workload to the unmeasured, non-speed-restricted specialty engine.

The Rocket Data Integration Tools are best-of-breed mainframe products that ensure secure, scalable integration of mainframe data, applications and 3270 screens with distributed applications. Each product operates independently to address a specific integration requirement but shares a common z/OS runtime that is highly optimized to significantly reduced MIPS utilization. Product options include:

For Mainframe Data Integration

- Rocket Data z/Direct – a tool for direct, standards-based access to mainframe data and programs in support of high volume transactional data applications.
- Rocket Data z/Events - a tool to facilitate the real-time capture, enrichment, transformation and publication of data changes that occur within mainframe databases.

For Mainframe Application Modernization

- Rocket Data z/Services - a tool for efficiently transforming mainframe programs or 3270 screens into ready-to-integrate Web services for SOA, supporting publishing and consumption.
- Rocket Data z/Presentation - a tool to Web-enable and modernize mainframe 3270 screen applications to seamlessly integrate with distributed Java or .NET web applications.
- Rocket Data z/Web Server - a native mainframe z/OS-based Web server for rapid web enablement of mainframe data and application - high throughput and scalability, with low TCO.
- Rocket Data z/ClientBuilder - a tool for native Web enablement for mainframe 3270 and 5250 screen applications, delivering both thick-client Windows and thin-client HTML or Java GUIs.
- Rocket Data IDMS Extensions - a set of Open Communications Architecture (OCA) utilities that enable CA-IDMS programs/dialogs to more readily integrate with non-IDMS systems.

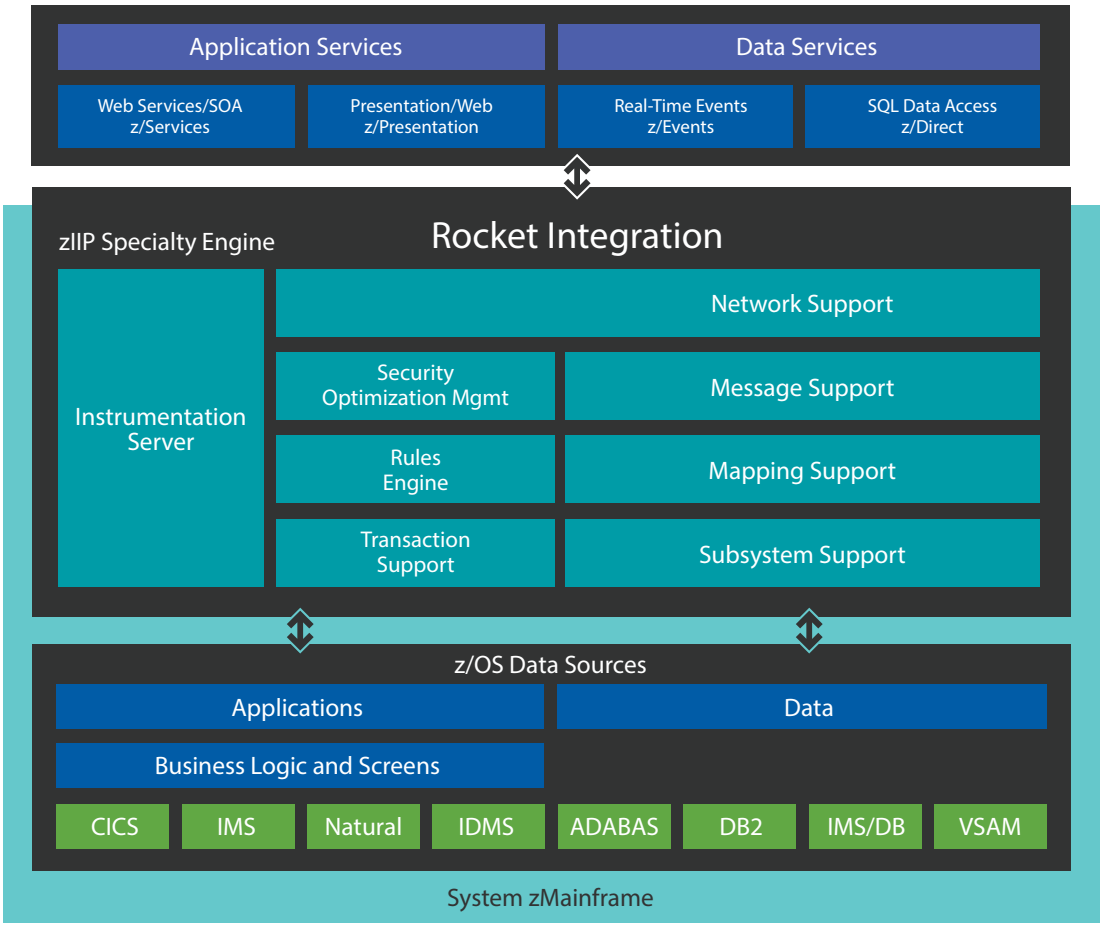
Rocket

Foundation Features of Rocket Data – Integration Tools

Rocket Data became the leader in mainframe integration by offering best-in-class technology capable of handling the mission-critical requirements demanded by the world's largest enterprises. The list of features underpinning Rocket Data's integration technology includes:

Rocket Data Integration Features			
Systems Management	**Security**	**Transactional Integrity**	**Scalability**
❖ Performance Analysis and Tuning - organizes data for capacity planning and trends analysis ❖ Application Debugging - detailed tracing and logging for problem diagnosis ❖ Automation responses for resource breaches - automated management of large-scale Shadow implementations ❖ Monitoring and Control - online, real-time visibility and measurement of all Shadow-related activity with a broad range of automated	❖ Mainframe/Distributed Security Protocols - fully integrates with RACF, CA-TopSecret and CA-ACF2 to provide a robust security model. Distributed platforms support for SSL and client-side, certificate-based authentication ❖ Security Optimization and Management (SOM) - streamlines security login with Web services or SQL queries to improve performance and lower costs ❖ Auditing - identifies ultimate, unique end-user of mainframe resources in a standard thread-pool environment ❖ Encryption - manages digital certificates, optimizes encryption of integration stream information	❖ Distributed Transaction Management - supports prevalent J2EE and .NET distributed transaction management. Built to X/Open XA transaction management standards with thread management and choreography support ❖ Support for Enterprise Transactions - full "two-phase commit" (2PC) Transaction Support. All XA 2PC semantics are supported and exposed directly or via application server transaction manager support ❖ z/OS Resource Recovery Services - Enables transaction management via extensive exploitation of z/OS Resource Recovery Services (RRS).	❖ Load Balancing and Failover - Ensure ultimate levels of scalability and availability ❖ Connection Virtualization - Allows unlimited concurrency of connections from distributed applications ❖ Transactional Activity Blocking - Reduces lock duration for complex transactions and significantly improves response times for Update and Insert intensive applications policy ❖ Accounting and Chargeback Support - Shadow-based integration activity logged to the z/ OS Systems Measurement Facility (SMF)

The Rocket Data integration architecture is the industry's only unified integration platform for real-time, direct access to mainframe data, applications and screens.



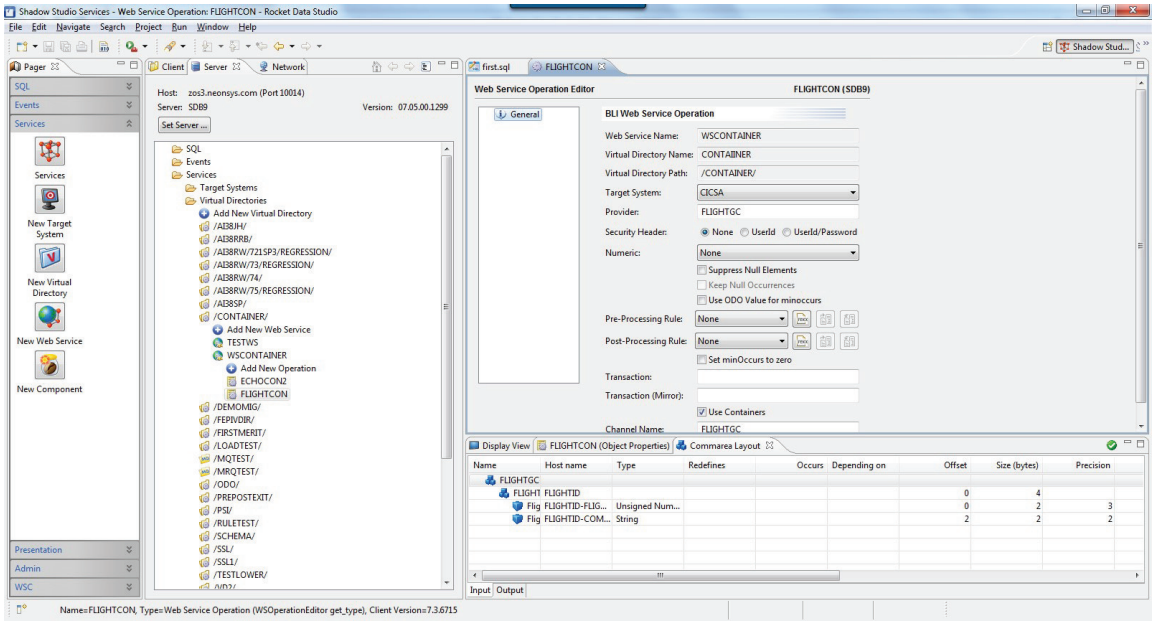
Rocket Data –Integration Architecture

Rocket Data provides the essential foundation for secure, reliable and scalable integration of mainframe data, business logic, and screen environments. The Rocket Data server resides on the mainframe as a z/OS started task, running its processing as a default in the zIIP specialty engine. Currently, the Rocket Data server can divert up to 99% of its integration workload away from the mainframe's general purpose processor to the zIIP specialty engine.

Rocket Data opens the zIIP specialty engine to additional data workloads beyond DB2, including mainframe data queries to IMS/DB, VSAM, Adabas and IDMS; and processing-intensive SOAP/XML parsing of CICS, IMS/TM, Natural, IDMS business logic and screens – all to provide customers with the ability to dramatically reduce mainframe total-cost-of-ownership (TCO) and significantly improve the performance of SOA and data connectivity.

Rocket Data Studio

The Rocket Data Studio is a consolidated development environment and comprehensive integrated development environment for the Data mainframe integration suite. Built on the Eclipse standard, the studio supports both .NET and J2EE frameworks to simplify application development using relational andnon-relational mainframe data, programs and screens.



Balancing the return on investment (ROI) and the quick time-to-market requirements presents a daunting challenge to IT organizations when faced with SOA and data integration initiatives that involve mainframe systems. The single, unified integration architecture of Rocket Data allows organizations to rapidly redeploy and reuse existing mainframe assets without the need for multiple, redundant point integration solutions, reducing the costs to maintain these products and eliminating potential points of failure.

Rocket Data provides a new benchmark in mainframe integration. Its single platform architecture provides universal access to data, programs, and screens—all with holistic utilization of specialty engines for reduced total cost of ownership. With Rocket Data, the mainframe can be a full participant within business analytics, business intelligence and SOA initiatives.

www.rocketsoftware.com
info@rocketsoftware.com
twitter.com/rocket
www.youtube.com/rocketsource
www.linkedin.com/company/rocket-software
plus.google.com/u/0/104109093105646534918