



DATASHEET

# Rocket API

## Extend Existing Applications into New Web and Mobile Experiences

- Integrate any enterprise application with existing web and mobile applications to increase employee productivity and customer satisfaction
- Combine APIs from multiple back-end sources into composite APIs for simple, compelling, and efficient customer interactions
- Speed delivery of new competitive capabilities to customers and business users

Your customers and employees expect a modern computing experience every time they interact with organizations. They want digital self-service tools and other experiences that help them answer questions, perform transactions, and solve problems quickly. And they expect these interactions to be fully mobile, so they can take care of business on the go.

Rocket® API software helps organizations integrate critical systems and data to new cloud, mobile, and self-service applications. Rocket API leverages your existing investments in proven, host-based systems by extending their functionality to modern SOAP or RESTful services, making it easy to integrate those systems into existing web or mobile-based experiences. You can re-purpose business-critical workflows, including those connected to older green-screen applications, without forcing risky changes to existing assets or compromising your team's productivity. Rocket API fits into any current application infrastructure without the need to write new code, and deploys to any on-premise, cloud, or hybrid environment.





## ▶ Integrate any enterprise application with existing web and mobile applications to increase employee productivity and customer satisfaction

Today, people expect to engage with organizations through mobile apps, web browsers, and online portals. They want to get answers or perform actions independently while online, and access systems and data from any location on their devices of choice.

The tools in Rocket API let you create APIs for workflows from any green-screen-based application, SQL, web services, or other data source, so you can integrate those workflows as features with new or existing web and mobile applications—in a way that is completely transparent to users. Customers and employees get the data and capabilities they need, while you avoid the risk and time associated with rebuilding your enterprise application portfolio.

## ▶ Combine APIs from multiple back-end sources into composite APIs for simple, compelling, efficient customer interactions

For satisfying interactions, customers and business users need the right data presented in user-friendly formats, without a lot of lag time. Application developers are challenged when data required for common requests is spread across multiple systems, or accessed through multiple screens. For users, this can increase the time needed to answer questions, resolve problems, or complete transactions to meet this expectation.

Rocket API easily creates APIs from functions in multiple back-end systems, combining them into composite APIs. Those composite APIs can be incorporated into new user experiences that present the necessary data and functionality in a single interface. For example, a retailer might combine order information collected from a point-of-sale terminal with data from the inventory management system. The resulting availability data could be displayed on a single application screen for store employees—with a separate public view for customers. This could better inform buying decisions and facilitate cross-selling and upselling at the point of purchase, ultimately leading to higher sales.

*“We use Rocket API to integrate and modernize mainframe applications because it lets us deliver mission-critical solutions in a fraction of the time. It’s easy to implement and cost effective, and it really lets us deliver more value for our customers’ application infrastructure.”*

Miguel Mercado  
Senior Vice President of Systems  
Development  
EVERTEC



## ▶ Speed delivery of new competitive capabilities to customers and business users

Development teams are often under pressure to accelerate delivery of complex new capabilities in well-designed user experiences for both customers and internal business users. This can be daunting when it involves data, functionality, and workflows in applications that have been in place for years or decades, and likely containing underlying code that isn't properly documented or well understood by current development staff. Invasive changes can be risky, and additional time is often needed to prepare, develop, and test to minimize any downstream problems.

With Rocket API, you can quickly create new application workflows without changing the existing code in your critical applications. Your developers can instead isolate these systems' key capabilities and workflows, and turn those workflows into easily-connectable APIs. Those APIs can then be embedded into new user experiences and combined with other capabilities, making it possible to deliver increased convenience and added functionality to customers and business users—without risk to the underlying systems. Just as important, the logic behind those newly-created APIs can be adjusted at any point without any change to the end-user experience.

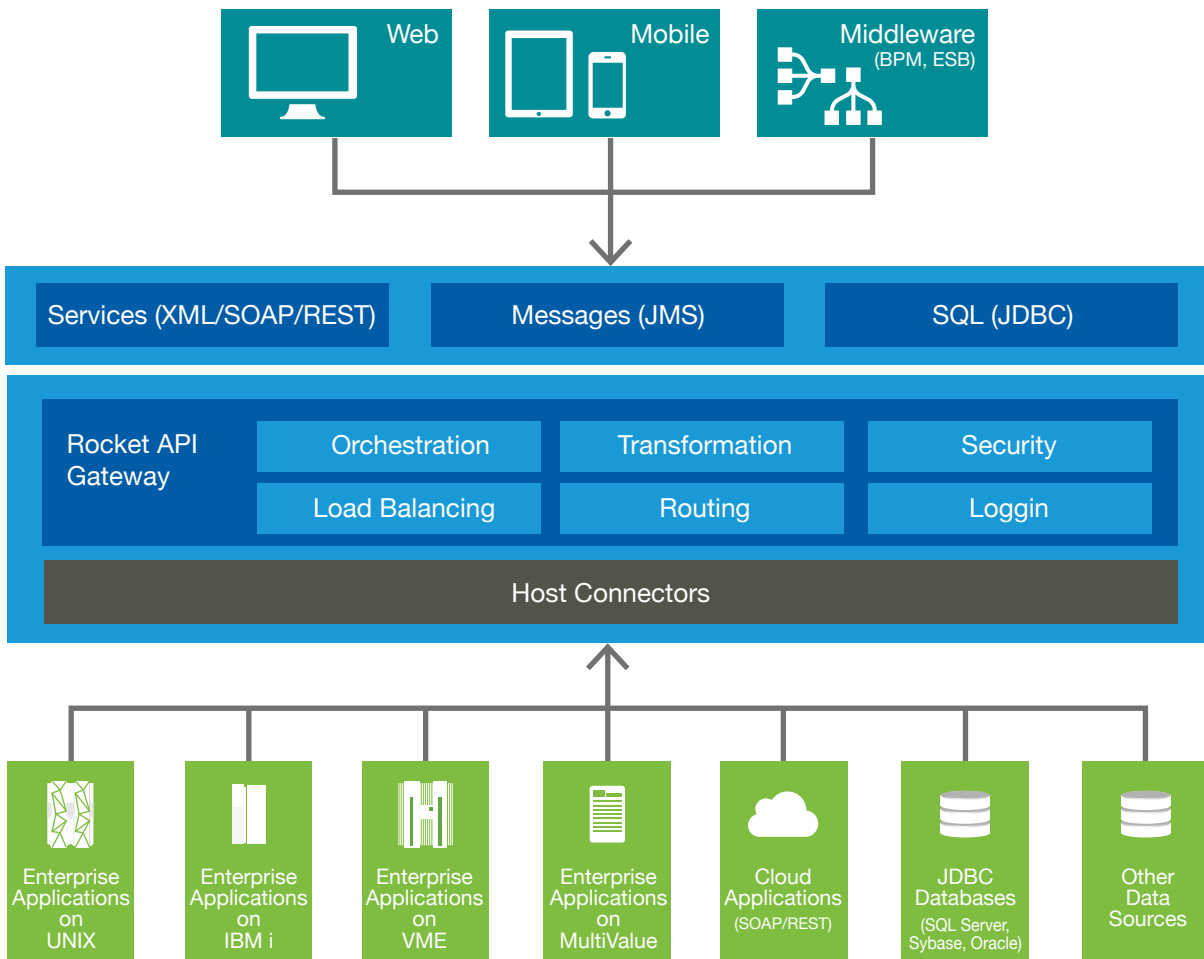


Figure 1: Rocket API Technical Infrastructure

Rocket API exposes APIs from enterprise applications, cloud applications, and other sources of data and processes, presenting them as a single, easily-consumed service. This makes it simple to manage and configure security settings, load balancing, performance monitoring, logging, and other functions.



The Rocket API Builder helps developers map data and fields found in green screens, then transform them into API logic that can be extended to web and mobile devices. Rocket API also includes an API flow recorder that accelerates the creation of repetitive data- and field-mapping processes. The Rocket API Builder maps third-party applications such as Google Maps and Salesforce.com into existing logic, so developers can create more complete user experiences.

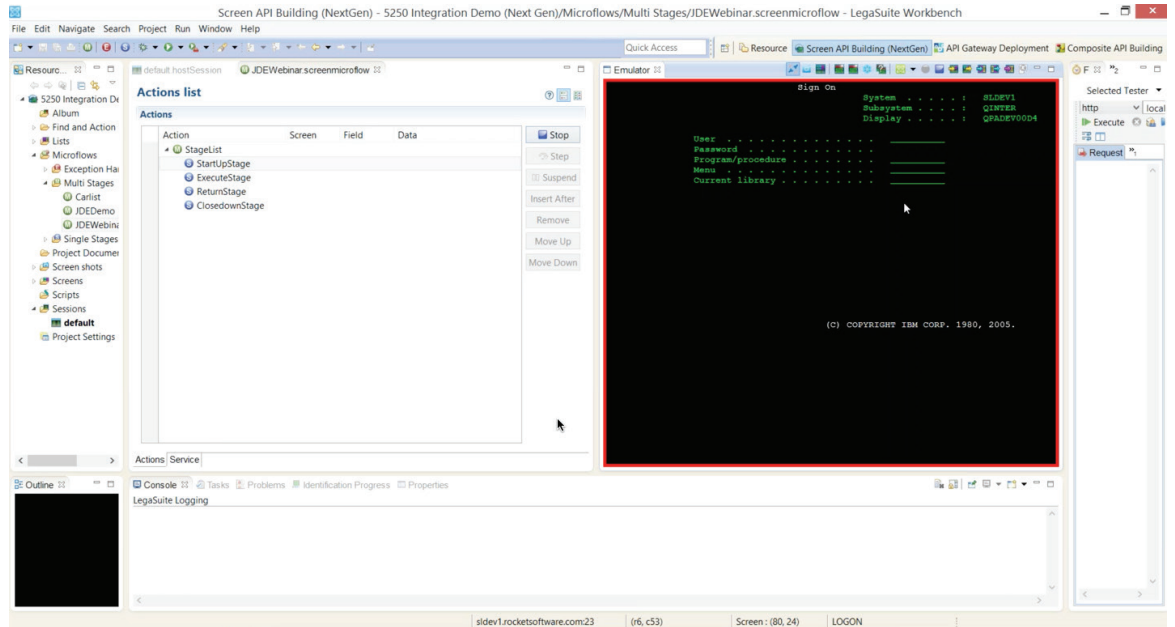


Figure 2: The Rocket API Builder is an easy to navigate work environment that provides complete control over the API building process.

Once you've created individual APIs, you can combine them into compound services for increased efficiency. What's more, you can adjust the logic behind established APIs at any point—without any change to the user experience.

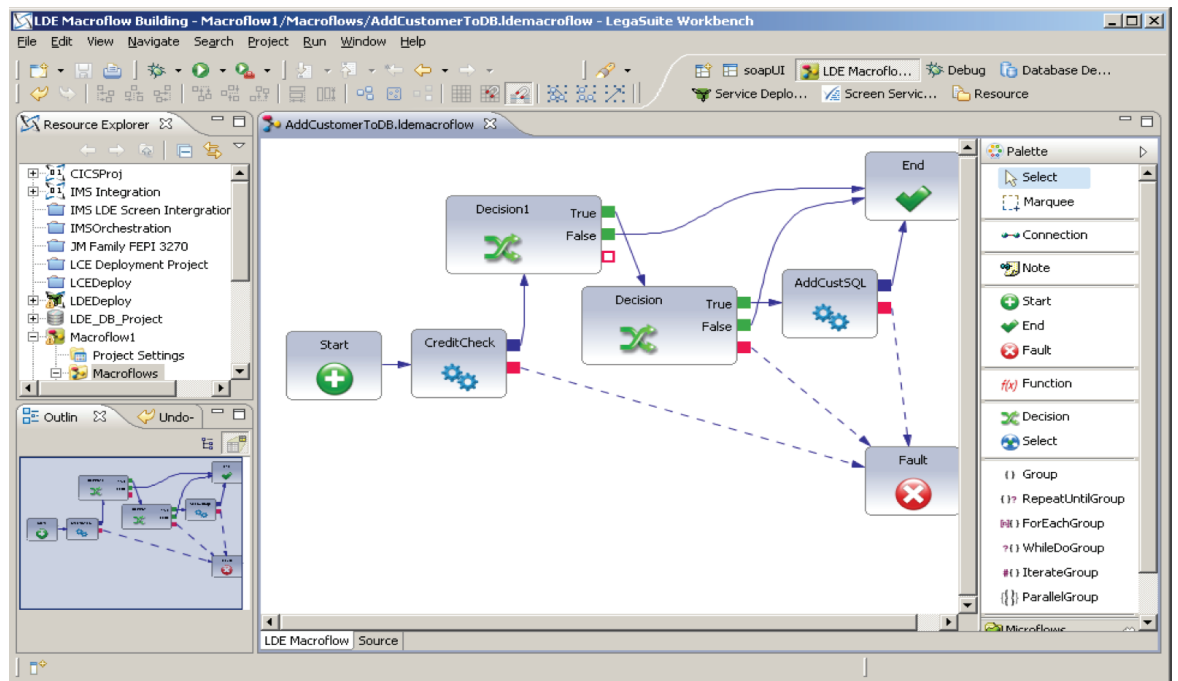


Figure 3: Rocket API System Orchestration Tools give you complete control over building compound APIs.

# Tech Specs

## ROCKET API-SUPPORTED HOST PLATFORMS / PROTOCOLS

### z Systems

- Any OS Version
- Protocols: Bridge/Link3270, FEPI

### IBM i

- Any OS/400 or V6R1 (minimum)
- Protocols: TN5250

### UNIX/Dec VMS

- Any OS Version
- Protocols: VTxxx, Prism, Wyse, ANSI

### Rocket API Builder

- Operating System: Windows 10, Windows 8, Windows 7 (32-bit and 64-bit)
- Hard Disk Space: 5 GB (minimum)
- Memory: 8 GB (minimum)
- Software: The Workbench includes Eclipse 4.4.2

*Note: You must have Java Runtime Environment (JRE) 1.7.x (minimum) installed to run Eclipse*

## ROCKET API GATEWAYS AND API GATEWAY HOST CONNECTORS - IBM i

### Operating System

- V6R1M0 (minimum), V7R1, V7R2: we recommend keeping current with IBM support level
- Physical and virtual/PaaS server environments supported (see Virtualization and Cloud below)

### Software

- Java 2 - Oracle JVM supported versions
  - IBM JVM and JDK 1.7.0 and later

### Other Requirements

- TCP/IP Services

## ROCKET API GATEWAYS AND API GATEWAY HOST CONNECTORS - UNIX/Linux

### Operating System

- AIX: Version 6.1
- HP-UX IA (Intel): Version 11.31
- HP-UX RISC: Version 11.23
- Linux on x86 architecture
- Recommended: Red Hat Enterprise 3.0

### Other Requirements

- Oracle JVM 1.7.0 and later, IBM JVM 1.7.0 and later—see specifications above.

## ROCKET API GATEWAYS AND API GATEWAY HOST CONNECTORS (3270,5250, VT, 7561/Forms) Windows Version

### Operating System

- Windows 2012 R2 Server
- Windows 2008 R2 (64-bit) Server System

### Memory

- 2 GB RAM (minimum), 4 GB or more recommended

### Hard Disk Space

- 2 GB (minimum)

### Software

- Java 2 - Oracle JVM-supported versions
  - 1.7.0 in Rocket API Gateway version 2.1 and later
  - IBM JVM 1.7

Rocket API belongs to a family of Rocket solutions that maximize IBM i investments. Rocket IBM i solutions include:

- **Rocket® Servergraph Professional for IBM i**, which gives you storage and data protection insights across your IBM i environment
- **Rocket® Aldon Lifecycle Manager**, which helps you manage and automate DevOps for all of your platforms including IBM i, Windows, web, and mobile.
- **Rocket® Discover**, which brings IBM i data to life with self-service BI dashboards.
- **Rocket® LegaSuite**, a modernization solution for green-screen applications that reduces the time, expense, and risk associated with recoding or replacing
- **Rocket® iCluster**, which significantly reduces the amount of time a business is able to resume normal operations following an unexpected IBM i business system interruption

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