

Ivory Service Architect



Break through obstacles that slow innovation by including your mainframe in a modern application ecosystem.

Ivory speeds time-to-market and reduces legacy system costs for large organizations by generating complex APIs without writing code. Ivory is the simplest—and most powerful—mainframe modernization solution available.

The Problem with the Disconnected Mainframe

For decades, mainframe computers have operated quietly in well-established organizations around the globe. Offering unmatched power, scalability, and security in a single unit, these massive machines remain relevant to this day.

However, one of the biggest inhibitors of innovation at enterprise organizations is the lack of rapid and reliable legacy system integration. Unfortunately, mainframes were built to independently process a large amount of data very quickly, not to work as part of a complex, interdependent technology stack. Since legacy technology was never designed to talk to external applications or systems, building integrations has been extremely time consuming and expensive—until now.

Reduce Development Resources by 90%

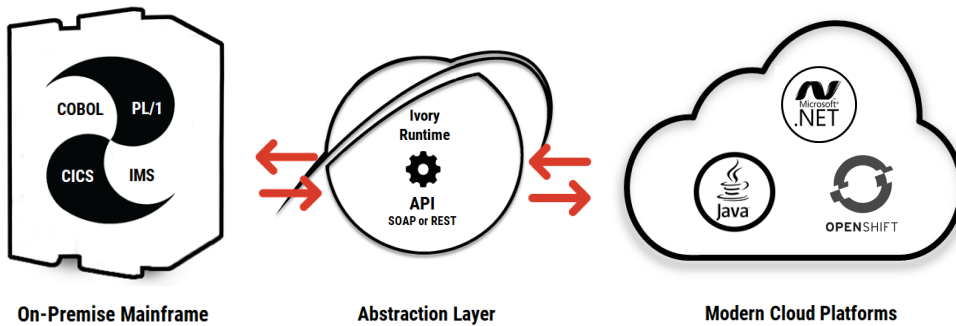
Ivory solves the problem of complex legacy integration by creating a secure middle abstraction layer between modern cloud applications and the mainframe. It's a run-time environment that lets you quickly generate powerful APIs through a no-code, drag-and-drop platform that doesn't require mainframe development skills.

Ivory can run in virtually any environment on or off the mainframe, offering unparalleled flexibility and power, while reducing latency and the mainframe's total cost of ownership.

Harness the speed, security and scalability of your mainframe, and take that power to the rest of your systems.

Modernizing with Ivory

- Moving from POC to production in under two months, European bank initiates the first instant payment in France
- Following a merger, global airline automates green screen processes and rapidly creates real-time legacy system access
- Without writing code, Swiss financial services company initiates call out transactions from mainframe to risk-mitigation database in real time



Like most integration solutions, Ivory can receive inbound calls to retrieve data from your legacy systems. But unlike traditional middleware, Ivory gives you the ability to call out or initiate requests from COBOL and PL/I applications to modern applications—right out of the box.

Your development teams no longer need to write and maintain the extensive custom code that’s required for outbound calls. Ivory generates compact, self-contained code snippets to drop into existing applications—without needing to know any outdated programming languages.

Additionally, while mainframes are great at processing simple transactions, standard APIs are not enough for flexible, modern integrations. That’s why Ivory allows you to create Smart APIs that can call multiple services and apply calculations to data in flight. This unique and powerful capability allows you to easily build business logic into your integrations to reduce latency, development time, and the burden of API maintenance.

What Ivory Does – The Nuts and Bolts

Ivory Service Architect works in real time to:

- Quickly create REST and SOAP APIs without mainframe coding experience. Streamline your development processes and create effortless integrations in a fraction of the time.
- Easily call out to external APIs from COBOL and PL/I programs—all without mainframe coding.
- Create *Smart APIs* that can call multiple services and apply a workflow to the transactions, all from a single API.
- Eliminate manual and time-consuming 3270 green screen processes with *system process automation*.
- Reduce latency by consolidating the multiple round trips usually required when calling legacy systems into powerful, Smart APIs.
- Service-enable transactions to not only create an effortless integration today, but a path for phased application migration in the future.

That’s why the world’s largest companies use GT Software to bridge their legacy systems to leading edge.

Outbound calls allow COBOL and PL/I applications to access external APIs. They typically require significant custom code and are difficult to maintain.

What Are Smart APIs?

Unlike a standard API, Smart APIs can apply business logic or calculations to data in flight. They reduce the coding and number of data calls needed, and drastically improve the ability to maintain integrations as requirements are updated.

GT Software empowers many of the world’s largest companies—such as JP Morgan Chase, AFLAC and Northrop Grumman—to accelerate their IT modernization efforts. By enabling companies to connect legacy mainframe assets with modern, cloud-based systems, GT removes a major roadblock for Fortune 1000 companies looking to elevate their customer experience. Pioneering the modernization movement across the globe, GT Software allows mainframes to be part of modern technology ecosystems in real-time. GT Software is proud to help lead innovation with its 35+ years of mainframe expertise.

