

## **Connect IT all fast**

with webMethods, the  
world's leading Hybrid  
Integration and API  
Management platform

Software AG Government Solutions Inc.

12950 Worldgate Drive, Suite 300

Herndon, Virginia 20170



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## Free your data with webMethods

In today's connected world, instant access to information is imperative. Agencies, servicemembers, and citizens expect to:

- Locate and retrieve data from anywhere, anytime
- Recognize data's context and applicability
- Use data as needed to meet their mission
- Make accurate data-based decisions fast
- Access and move data securely

That's a big ask when your agency deals with massive data in many forms ... structured in relational databases and unstructured in spreadsheets, images and documents ... across on-premises applications, legacy systems like mainframes and GOTS, and cloud-based services.



Connect IT all with webMethods, the #1 data and application integration platform, with an API-first approach utilizing modern agile development and microservices for speed and flexibility. With webMethods, you'll have:

## One platform

Simplify connecting any data source in any format, anywhere. Integrate everything—enterprise applications, G2B and G2G systems, databases and data lakes, mainframes, SaaS, clouds and Internet of Things devices. Meet any integration requirement with the simplicity of one runtime, one development environment, one administration. Develop and deploy integrations anywhere, on-premises, in the cloud, and at the edge.

## Independence

Because Software AG doesn't offer an ERP, CRM or database, you're free to choose and connect any system using webMethods. Our API-based integration and open, standards-based platform protects you from vendor lock-in and protects your investment to connect whatever the future brings.

## Speed to value

Create API-based integrations in minutes. Save time with codeless orchestration, visual mapping and instant connectivity to hundreds of on-premises and cloud applications. Expose data as APIs to make it truly accessible in the shortest time. Re-use APIs rather than writing one-off, point to point integrations.

## Confidence

The largest federal government agencies, including the DoD and IRS, as well as state and local governments rely on webMethods. Our integration platform processes billions of mission-critical transactions a day and stands alone in its ability to enable complex, large-scale enterprises with heterogeneous systems to deliver real-time responses with full auditability.

## Security

Protect in-transit data via SSL, role-based access control, digital certificates, integration to LDAP, IP address and port filtering, avoidance of buffer overruns. Use robust encryption via symmetric or asymmetric algorithms. Our patented "Reverse Invoke" capability means you don't have to open holes in your firewall to communicate with webMethods.

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# Transform your agency with API-led integration

webMethods is middleware that's "simple ware" empowering you to easily connect anything (without coding) and scale to manage the rising demand for data, no matter where it resides.

What you can do with webMethods

- Leverage information across government and increase transparency
- Call on integrated data sources in an instant
- Deliver faster self-services to citizens
- Improve digital and online services
- Eliminate redundant data entry while simultaneously updating all systems
- Avoid costly point-to-point integrations
- Assure access to the latest, most relevant information for accurate, agile decision-making



## CASE STUDY

### U.S. Department of Treasury

#### Internal Revenue Service

Since 2005, the IRS has relied on webMethods as a common services and integration platform to overcome many challenges in its heterogeneous IT landscape.

#### CHALLENGES

- Redundant interfaces to common data. No reuse.
- Point to point interfaces that are costly to modify and maintain.
- Complex interfaces due to lack of standards.
- High latency of information flow between applications and external partners.
- No foundation for process improvement and business visibility.

#### RESULTS

- Maximize return on investment on existing technology investments and IT skills.
- Simplified Architecture / Enterprise-wide Infrastructure.
- Greater agility, flexibility, reliability, reusability, and responsiveness to the business.
- Lower costs through reuse across the system development lifecycle.
- Improved access and visibility to the business.
- Common tools for internal and external integration.
- Strategic adoption of technology trends (e.g. APIs, Cloud) and standards (e.g. REST)

## Connect without coding

### webMethods application & SaaS integration

Integrate applications, clouds, systems and devices to make your processes more efficient and your agency more agile. webMethods is THE integration market leader and the #1 application integration platform from Software AG. The platform is deployed and used in commercial clouds, private clouds such as GovCloud and C2S, on-premises and as a hybrid of these environments.

### Simplify integrations

Use an intuitive, drag-and-drop UI to design, assemble and deploy workflows for cloud and on-premises integrations. Leverage the 300+ adapters to connect without coding. These connectors “speak” the language of the applications, such as Salesforce.com®, SAP, Oracle®, J2EE®, .NET®, meaning you don’t have to.

### Eliminate silos

Connect anything faster, thanks to open, standards-based integration. Improve interoperability of custom, packaged and mainframe applications and databases on-premises and in the cloud.

### Scale with microservices

Ensure your apps run fast! webMethods is made for cloud-native integrations that scale down, up or out depending on agency demands.

### Orchestrate & synchronize

Automate a process or synchronize data in real time. Our approach decouples applications so you can manage and monitor your integrations from one central location.

### Modernize with DevOps

webMethods supports DevOps and enables you to build and deploy integrations using your agency’s CI/CD processes. Developers can use the language of their choice such as Java®, C/C++/C# and Node.js.

### Map & transform

Use our library of transformation services and a graphical mapping UI to tie your data formats together.



# Innovate with APIs

## webMethods API management

Share information and data across real-time, distributed cloud and mobile applications using APIs, and manage them from requirement to retirement. Create API mashups, and expose data and services in web apps, mobile apps and other connected devices—simply, quickly and securely.

## Easily discover & test APIs

Developers can quickly find the APIs they need with full text search capabilities. They can try APIs then test invocations with different input parameters and quickly see the results.

## Keep APIs & data safe

Protect APIs, data and microservices with authentication, authorization, digital encryption and digital signatures. Set thresholds and limits. Enforce security, traffic management, monitoring and SLA management policies. Use policy-driven security to uniformly secure and monitor access to back-end services from apps using your APIs.

## Monitor usage

Measure what's being consumed and set thresholds with usage limits to control costs. Make sense of the complex interdependencies of APIs on various services and applications using an interactive graphical view of APIs and their relationships. Visualize the effects of changes to avoid undesired issues and complications.

## Manage policies, models & versions

Apply a policy to many APIs at the same time. Use pre-loaded policies, including metadata validation, approval workflow and permission provisioning, or define custom policies. Ensure standards and practices are followed as every API moves through its lifecycle by defining permissible transitions between states. With built-in versioning, you can define and track API versions. Multiple versions can co-exist, and older versions can be retired over time.

## Save time with built-in workflows

Use an approval process workflow to manage API access requests. Access tokens are provisioned automatically to the webMethods API gateway. Use an onboarding workflow to sign up developers.

## Reduce latency

Store large amounts of transactional data in-memory to improve performance, reduce latency for data access, and scale your APIs for any volume.

## CASE STUDY

### U.S. Navy ERP

Department of Navy's financial system of record

#### CHALLENGES

- Unify business processes into one system
- Drive continuous improvements with real-time analytics
- Enforce procurement policies
- Reduce planning cycle times

#### RESULTS

- Reduce inventory management costs by \$100M per year
- Access a common set of secure data anywhere
- Produce auditable financial statements.



## CASE STUDY

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### Department of Labor Office of Worker's Compensation Programs (OWCP)

#### CHALLENGE

- Modernizing four existing independent workers compensation systems into one single enterprise application platform

#### RESULTS

- Connecting multiple systems and insurance providers to deliver benefits to millions of employees and their families
- Reduction of four disparate outdated systems to one common platform
- Elimination of redundant processes
- Decrease in maintenance cost and resource savings

## Streamline partner transactions

### webMethods G2G & G2B integration

Eliminate the cost, confusion, and complexity of managing many Government-to-Government (G2G) and Government-to-Business (G2B) systems and formats. With webMethods, you'll simplify with a single gateway for secure transmission and translation of G2G documents—e.g., shipping notices, invoices, purchase orders and more.

### Automate file transfer

Exchange files irrespective of the size—delivery guaranteed. No proprietary clients or protocols required. Work in real time, and exchange docs with entities of any size and technical capability.

### Onboard partners in minutes

Quickly onboard partners, then empower them to track and manage their own transactions and profiles to reduce administrative costs.

### Work with many formats

Count on EDI support for ANSI X12, UNEDIFACT, EANCOM, ODETTE, UCS, VICS, VDA and TRADACOMS documents—plus support for HL7, DLMS, industry and agency-specific XML formats and flat-file documents, such as spreadsheets.

### Support any protocol

webMethods works with any messaging transport protocol, including industry messaging transports, such as HTTP, HTTPS, SFTP, SMTP and EDIINT, and specialized standards, such as RNIF, ebXML, AS4 and SOAP.

### Control access

Ensure reliable document transfer through secure EDI over the internet using SSL. Meet compliance requirements and assure top security with stringent role-based access. Set role-based access for people inside your organization and at your trading partners.



## Validate documents

webMethods ensures the data you send and receive is correct and reliable. Validate every document to see that it meets its specifications—no matter if the format is EDI, XML or a flat file.

## Integrate easily with other systems

All trading partner data including extended fields are available to be passed through to webMethods, enabling customized processing flows unique to your agency. Quickly tie your G2G processes to your back-end systems and orchestrate your G2G processes.

## Increase visibility

Gain complete end-to-end visibility into G2G transactions across your entire trading network. Track and manage G2G transactions through analytics and a monitoring dashboard and instantly see the status of your transactions. Transactions are grouped within the monitoring screen enabling the easy identification for specific groups of transactions.

## Repair & resubmit messages

When a transaction problem happens, fix it fast. Locate the problem's source by drilling down into transaction data, including message header and routing information as well as the message payload itself. Then, take corrective or preventive action as needed. You can easily update the transaction payload and resubmit. This saves you from having to wait on your partners to fix an issue on their side and then resend the message.

## Create audit logs

A UI for administrators enables transaction log queries. Use deployment logs to show all deployment activity occurring between environments, including who deployed assets—and when.





## CASE STUDY

### Pennsylvania Justice Network (PA JNET)

Pennsylvania's primary public safety integration service provider

#### CHALLENGES

- Providing data integration services that enable Commonwealth Agencies and local entities to transform their organization
- Real time data sharing

#### RESULTS

- Cross Match Program - Inter agency data sharing resulted in \$200M+ potential savings in fraud prevention
- Improves the delivery and sharing of information to over 40K users

## Open up access to core data

### webMethods mainframe integration

Mainframes still play a critical role in many agencies. With webMethods you can leverage mainframe data and functions as reusable services in minutes. Integrate legacy systems with virtually any other data source to deliver new digital services faster, as well as make legacy applications as easy to use as any web or mobile app.

### Expand data access

Agencies today are expected to be information providers. That means providing access to latest data, wherever it resides. Do that easily with webMethods. Connect to new channels, applications, and services by exposing them as APIs. Connect mainframe data to data lakes, BI and cloud platforms for better insights.

### Unlock siloed data

Make the latest data—even on a legacy system—easily accessible to citizens, agencies, and any level of government. Transform mainframe data into standard SQL for easy access and integration with data lakes, business intelligence platforms, analytics tools, and the cloud. Move your data freely to where it is needed and how it is needed.

### Avoid rip & replace

Save millions of dollars by building on what works—your mainframes. Build on your multi-decade investment in mainframes without having to change code. Connect to new channels, services and apps, on-premises or in the cloud by producing and consuming APIs with COBOL, Assembler, PL/1 and Natural applications.

### Simplify integrations

Get rid of complex and expensive point-to-point connections. Use webMethods instead to integrate any system, anywhere. Integrate DB2, COBOL, AS400, Adabas & Natural and more. Capture 3270 screens to quickly turn applications into API providers.





## Update the user experience

Put a modern UX on top of legacy applications. Make your legacy app available on a browser, where you can change the user workflow, add new logic, and aggregate data from other sources to create a better experience. Automate and integrate 3270 user screen flows using REST APIs to create better digital process flows.

## API-enable legacy applications

Create APIs in one click to connect legacy apps to any other application—on-premises or in the cloud. In addition, you can enrich your mainframe application functionality by consuming APIs from other sources.

## Modernize at your pace

API-led mainframe modernization enables your agency to transform operations quickly, efficiently and cost effectively. Leverage your existing IT infrastructure using APIs to connect to other systems, while maintaining a hybrid environment that lets you migrate at your own pace.

## Sync with the cloud

Take advantage of new cloud-based services and data analytics by synchronizing your mainframe data to the cloud. You can access data from DB2®, flat files, Adabas, IMS™, QSAM and VSAM™ via SQL in real time, and sync your cloud data lake with on-premises applications.



Leverage your existing IT infrastructure using APIs to connect to other systems, while maintaining a hybrid environment that lets you migrate at your own pace.



## Put our team to the test

At Software AG Government Solutions, we've made it our mission to simplify integration, so you quickly realize results. Connect without coding to keep communities safe, improve agency collaboration and serve citizens faster. Share real-time data securely and sync it between systems. It's easy.

Let us show you.



Software AG Government Solutions

12950 Worldgate Drive, Suite 300 | Herndon, VA 20170

Web: <https://www.softwareaggov.com/>

Phone: 703-949-9570

Email: [info@softwareaggov.com](mailto:info@softwareaggov.com)