



_experience the commitment



Momentum Enterprise Solution: Product Overview

Best practices in federal financial management

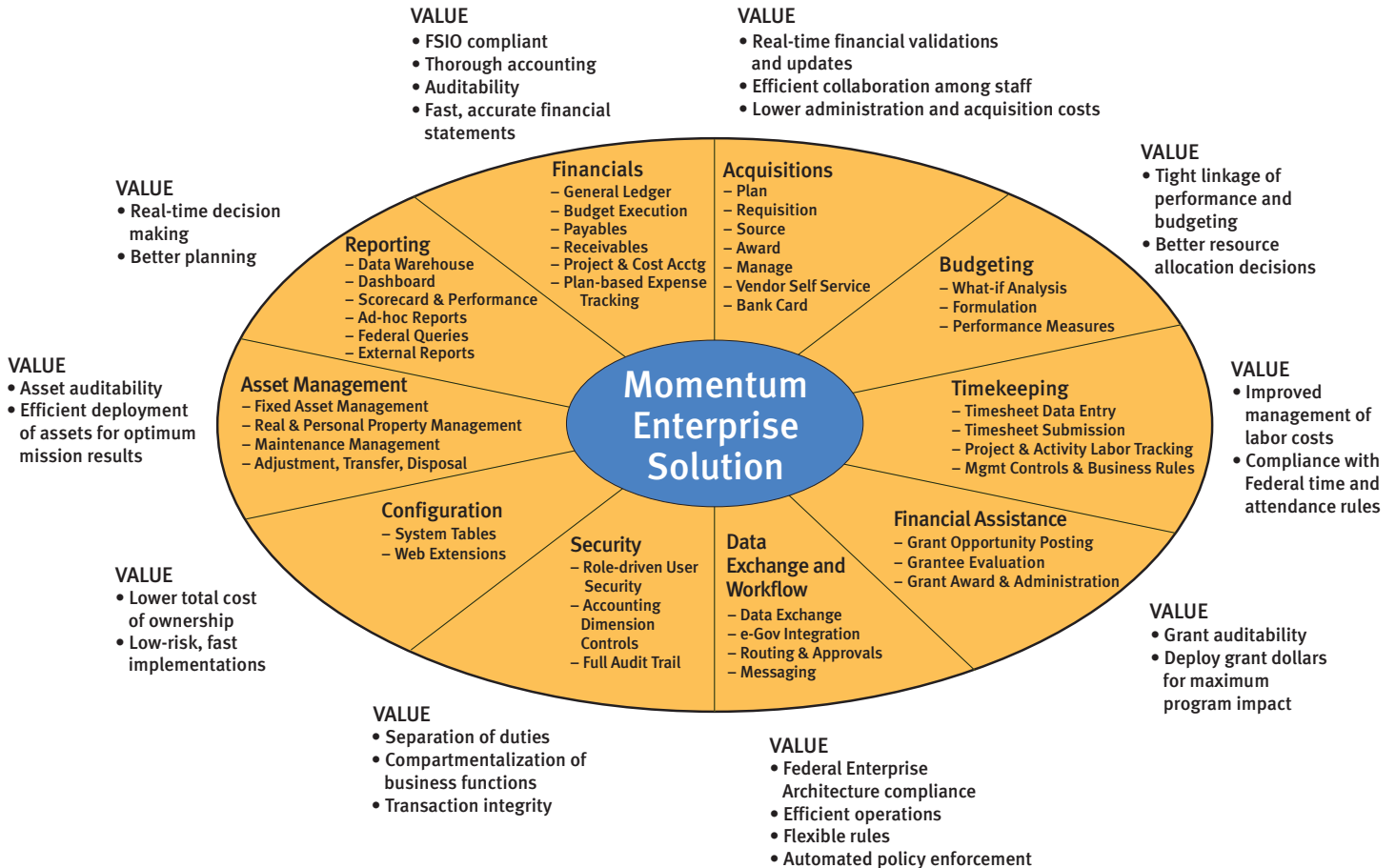
The President's Management Agenda demands that federal agencies improve financial accountability and efficiency. Evolving financial system standards pressure agencies to meet expanded federal-specific financial management system requirements. In addition, shrinking IT budgets, the emergence of the Financial Management Line of Business initiative, and maturation of service-oriented architectures (SOAs) demand that agencies use financial systems with flexible, open technology standards.

CGI Federal offers a federal financial management solution—the Momentum® Enterprise Solution—built specifically to help federal agencies address these and other challenges. Created using best practices from 35 years of experience in building and implementing federal financial management systems, Momentum:

- Performs core federal financial system functions—including general ledger management, funds management, payment management, receivable management, cost management, and external reporting

- Extends beyond core financial system requirements to support complex federal financial management activities, the complete federal budget cycle, the complete federal acquisition and asset life cycle, and bank card reconciliation
- Applies open Web technology standards to simplify system deployment and enable interoperability with external systems
- Provides configuration options that allow federal agencies to implement Momentum with zero customizations or software extensions

Momentum's benefits and capabilities



Benefits

Momentum delivers the following major benefits for federal agencies.

Accountability

Momentum has stood the test of rigorous federal operations and audits. Our customers routinely produce detailed federal financial statements directly from the financial system and receive unqualified audit opinions.

Improved decision making and planning

Momentum enables federal managers to quickly access financial management data, answer unpredictable business questions, and make strategic decisions based on actual data.

Efficiency and effectiveness

Momentum enables close collaboration among administrative and program staff throughout financial, procurement, and budget life cycles, while enforcing separation of duties. As a result, financial management activities improve—rather than impede—mission delivery.

Improved accounting control with fewer staff

Agency financial experts use Momentum's configuration flags and tables to transfer their detailed knowledge into automated financial controls and business rules, which enforce consistent enterprise-wide financial controls, while allowing agency staff to focus on performing their specific jobs.

Low total cost of ownership

Momentum includes built-in technology that enables federal agencies to implement the software as-is, expedites integration with external applications, eliminates the need to “bolt-on” a separate procurement system, and simplifies system deployment via a Web solution and open standards.

Quick, accurate answers

Momentum provides a data warehouse, ad hoc reporting, and built-in queries. The federal-specific intelligence built into these queries and reports anticipates federal business questions, expediting delivery of pertinent information to managers for effective planning and decision making. With Momentum, federal managers can answer typical financial management questions in seconds.

- *What is the status of my budget?* Momentum's budget query lets managers instantly view the status of activity affecting the budget at all levels, including expired and unexpired spending adjustments and status of recovered monies.
- *What is the financial status of my biggest project?* Momentum's project query offers easily accessed, clearly illustrated summary totals of commitments, obligations, and expenditures against the project, and itemized financial totals, as well as any associated reimbursable funding.
- *Is my general ledger complete and ready for audit?* Using Momentum's general ledger queries, financial managers can use more than 60 filtering criteria to identify relevant general ledger postings, view the detailed general ledger effect of each event, and drill down to the specific transaction that triggered the general ledger update.
- *What intragovernmental eliminations do I need to make?* Using the Momentum intragovernmental query, managers can identify and reconcile inter- and intragovernmental transactions for financial statement eliminations.

Committed to your success

CGI Federal combines federal financial management expertise and best-in-class technology to offer agencies a proven solution that extends beyond core financial system requirements to support complex federal financial management activities—resulting in improved accountability and efficiency.

- 90 CGI Federal federal financial management customers since 1984
- 50+ successful Momentum implementations in the past six years
- 51 percent of federal organizations use CGI Federal financial systems
- Implementation timeframes as short as five months
- 90 percent of customers remain on the baseline software with zero customizations or extensions
- Proven, live integration with critical government-wide systems such as GOALS II and the Business Partner Network
- Successful implementation of the range of federal funding models, including appropriated funds (single year, multi-year, and no-year), working capital funds, and revolving funds
- Patents awarded for federal-specific approaches to purchase card reconciliation and payment offsets
- Millions of historical financial transactions converted from federal agencies' legacy systems

Capabilities

Momentum offers focused business applications that provide federal-specific capabilities ranging from general ledger to timekeeping.

General ledger management

- General ledger—manage agency-specific account hierarchies that roll up to meet the U.S. Standard General Ledger accounting requirements

Funds management

- Budget execution—establish budgets and control levels, distribute funds, and validate and monitor spending
- Planning—control spending against annual and multiyear operating plans independent of the formal budget
- Purchasing—record the financial effect of product or service purchases, including commitments, obligations, receipts, and invoices

Payment management

- Accounts payable—authorize payments to vendors, employees, or other agencies for goods or services provided
- Automated disbursements—execute payments in accordance with prompt payment rules and other federal requirements
- Fixed assets—track capitalized and accountable property from acquisition to disposal, including asset depreciation
- Bank card—log purchase card transactions, reconcile purchases to bank statements, and trigger payments to maximize rebates

Receivable management

- Accounts receivable—track receivables owed; generate bills, dunning notices, and statements; and manage referral or write-off of uncollectibles

Cost management

- Project cost accounting—track project costs incurred, record reimbursable

agreements, distribute project costs, and manage billing and collection activity

- Cost allocation—track the cost per unit and other performance measures in accordance with cost management standards and GPRA performance tracking

Reporting

- Data warehouse—consolidate, store and access large volumes of critical data
- Business analytics—prepare ad hoc reports across all system data using technology powered by Business Objects
- Management queries—view big picture information online, drill down to the audit trail of transactions, such as payments, and view actual transaction details
- Standard reports—access prepackaged management reports on topics ranging from general ledger activity to staff workload
- External reporting—create preliminary reports, adjust reports, and generate the final reports required by Treasury and OMB

Performance budgeting

- Performance budgeting—automate the budget formulation process, conduct performance-based budgeting, forecast salary and benefits, automate budget reporting and budgeting, and enable the entire federal planning and budgeting life cycle

Performance management

- Performance management—provide performance scorecarding, dashboards, and analytics for monitoring and forecasting key performance indicators; deliver consolidated financial reporting; prepare detailed activity cost and other operational

models; and turn strategies into plans, monitor execution, and obtain important information to improve financial and operational performance

Acquisition management

- Acquisitions—perform comprehensive federal procurement activities, including solicitation preparation, contract writing, and integration with FedBizOpps and FPDS-NG

Travel management

- Travel accounting—track and account for travel orders, advances, and vouchers
- e-Travel—integrate e-Travel activity with financials through reuse of federal travel transaction adapters

Timekeeping

- Timekeeping—capture time and attendance information from agency employees according to federal rules, and track labor costs back to specific activities to support activity-based costing

Vendor management

- Central contractor registration—update and transfer vendor data electronically from CCR for agency reuse
- Vendor self service—enable electronic interaction with vendors for procurement and invoicing activities

Asset management

- Asset management—track and manage assets and enable asset life cycle costing, total asset visibility and improved management decision-making

Financial assistance

- Financial assistance—prepare grant opportunity announcements, evaluate grant applications, obligate grant funds, and award and administer grants

Differentiators

What makes the Momentum Enterprise Solution uniquely valuable to federal agencies? It's how Momentum goes beyond meeting core financial system requirements to automate and simplify federal-specific processes and business needs. For example, with Momentum:

Programs can manage their money to best meet mission needs, while accountants centrally enforce federal compliance. Because each Momentum budget level can define the elements and controls of the budgets beneath it, funds managers can centrally control funds while providing programs the freedom to manage their budgets to best achieve their mission.

Agencies can manage their costs separately from their budget. Federal accountants can separate budget and cost organizations, giving agencies flexibility in tracking budget and costs against program areas.

Managers can reorganize operations more efficiently. Reorganization features include configurable options to make adjustments at the transaction level—as well as at the global level—going beyond basic reorganization requirements to simplify and expedite real-life reorganization situations.

Program and purchasing staff do not need to understand GL account entries to do their jobs. Federal accountants click and type to set up relationships between specific financial transactions and specific GL account entries. Every time an agency employee processes a transaction, such as a purchase order, Momentum automatically posts the correct GL entry behind the scenes.

Agencies can achieve real-time financial updates along with every procurement action with zero bolt-ons. Momentum's optional acquisitions component delivers features required by procurement professionals, such as posting of business opportunities to FedBizOpps, preparing solicitations, contract writing, federal procurement reporting, contract administration, and concurrent modifications. Momentum performs both financial management and comprehensive federal acquisition management functions using one security model, one vendor file, and one database.

Managers can track all phases of the budget cycle. An optional performance management and budgeting component allows budget and program staff to perform "what if" analyses, formulate budget submissions, incorporate program performance measures, make budget adjustments resulting from legislative changes, and reuse prior year actuals to feed future year budget projection and formulation.

Purchase card program managers can actively manage organization-wide card activity. Momentum's patented federal bank card processing engine manages logging of card purchases, electronic receipt of bank statements, reconciliation, payment, and integration with general ledger and budget controls.

Reimbursable activity triggers interagency electronic payments and updates agency budget authority. Federal staff set up project and program details containing the rules and controls needed to manage customer reimbursements—for example, whether customers provide a strict reimbursement of actual project costs or buy units of goods or services that the project produces. Momentum also includes automated rules that govern when reimbursable activity should trigger an automatic increase in the agency's budget authority.

Technical architecture

Momentum uses open standards-based technologies that are portable across hardware platforms, operating systems, database management systems, and communications infrastructures.

Momentum's Web accessibility simplifies system deployment and maintenance, and its XML-based system communication formats deliver consistent execution of system functions, whether they are entered by a user or via an interface with another system.

Momentum delivers its business features using four standards-based system architecture components: a presentation layer, application layer, data layer, and integration layer.

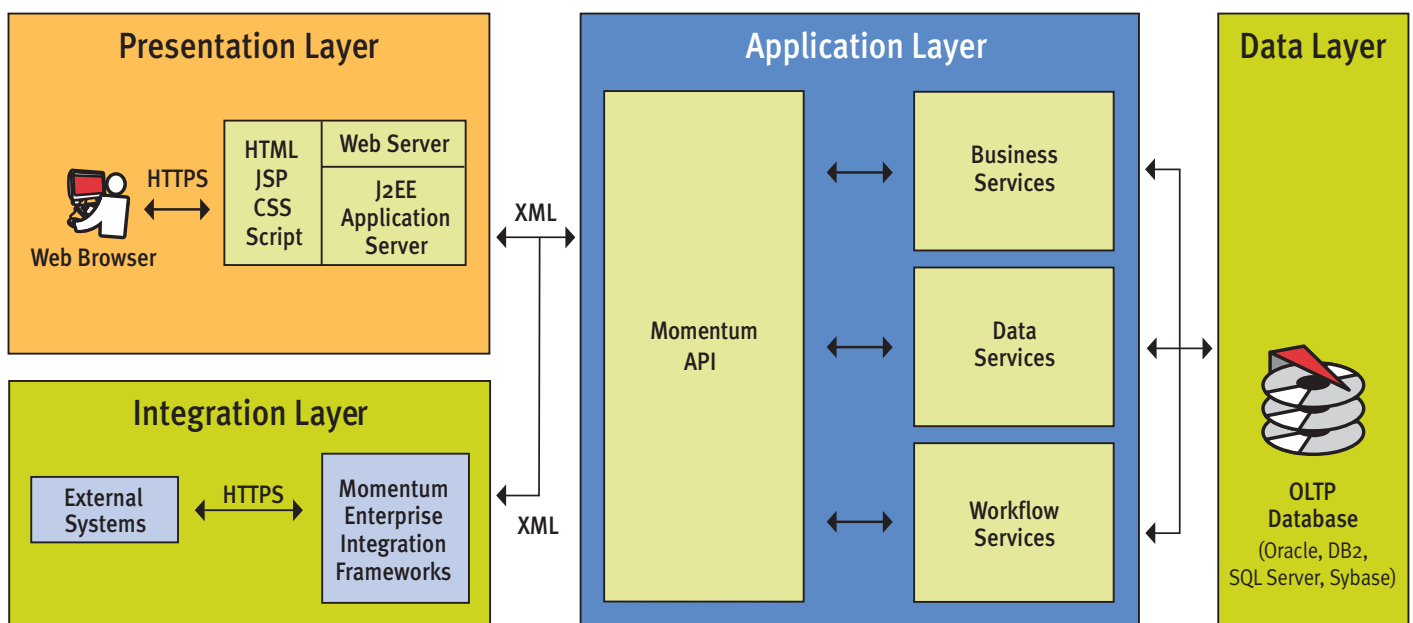
- Presentation layer—delivers all Momentum functionality over the Web. Customers use a standard Web browser such as Microsoft

Internet Explorer or Netscape to access the application. The presentation layer uses a standard Web server and a J2EE-compliant Web application server.

- Application layer—performs all transaction processing, workflow, and database access. This layer provides distributed transaction monitoring, superior load balancing, and fail-over capabilities. Momentum conducts all transactions through its XML-based API, providing agencies a clear roadmap to integrate external systems with the entire range of Momentum business functions and data.
- Data layer—manages the storage, retrieval, backup, recovery, replication, and distribution of data. This layer supports industry leading database engines (e.g., Oracle, Sybase, SQL Server, and DB2) and uses standard SQL for database access.

- Integration layer—provides built-in workflow and service-oriented architecture (SOA) technology. This layer leverages SOA and configurable workflow business rules to enable collaboration across all business process stakeholders and open integration with internal and external business applications.
- Security—provides built-in application security best practices for identification, authentication, authorization, privacy, integrity, non-repudiation, and monitoring. For example, Momentum's specific security features include:
 - User IDs, strong passwords, warning banners, and interoperability with public key infrastructure (PKI) technology to control system access

Momentum's enterprise architecture



- Configurable security business rules that limit information access and enforce separation of duties, and compartmentalize classified data
- Encryption of passwords and data with the Advanced Encryption Standard
- Encryption of network traffic using SSL, in compliance with FIPS 140-1
- Automatic history logs and audit trails for every action or attempted action to enable continuous system monitoring
- Performance and scalability—allocates intensive computing tasks to the application and data layers, minimizing the volume of data transferred across the network. The system further enhances performance and scalability by supporting parallel execution of business logic across multiple servers, where administrators can adjust the number of server processes based on system workload and user demand.
- Open standards and adaptability—supports open standards for relational databases, user interfaces, communications protocols, and Web development languages. Portable across multiple operating systems (Sun Solaris, AIX, Windows 2000/2003, Red Hat Linux) and multiple relational databases (Oracle, Sybase, SQL Server, DB2), Momentum enables agencies to leverage existing and future infrastructure investments to reduce total cost of ownership.



What's new

- Data warehouse reporting that supports dashboarding, scorecarding, and analytical reports
- HTML web user interface that improves deployment by allowing users thin client access to Momentum from any location
- Web extension technology that enables agencies to add new fields without requiring customization of the baseline code, and configure agency-specific field characteristics such as screen location, tab order, length, labels, and required/optional data entry
- Integrated asset management module
- Updated FACTS II edits to support trading partner logic, total outlay check, and a new group for cash accounts and cash balance, in compliance with OMB regulations
- Enhancements to support the Electronic Certification System for Treasury disbursement
- Increased support for cross-servicing agencies
- Tools to assist managers in identifying and reconciling inter- and intragovernmental transactions for improved financial statement reporting

Corporate profile

CGI Federal is a full-service IT and managed services provider with deep federal expertise and innovative service models that help our clients achieve their business goals. For three decades, CGI Federal has partnered with a majority of federal agencies to help them plan, design, implement and manage highly effective and efficient federal government environments. Backed by the resources and best practices of a global organization 25,000 strong, our federal sector specialists are ready to bring this tradition of excellence to your agency.

Business solutions through information technology™



For more information:
www.cgifederal.com/lineofbusiness