Data Integration Services for Government Modernization

Benefits

- Implement solutions that deliver greater value in less time, with less effort

- Provide an innovative approach to data migration using proven techniques that can deliver dramatic productivity gains

- Use accelerators and templates that expedite the development and deployment process, while ensuring data integrity, minimizing errors, and reducing costs

Duration

- Dependent on scope

IPS Staff Level

- Technical Architecture Manager and/or Technical Delivery Manager

- Senior Consultant

- Systems Analyst

Operate More Efficiently and Cost-Effectively

Informatica solutions for federal, state, and local governments create proven flexible, secure and scalable IT architecture that supports robust information flow within or across any organization. Federal, state, local and municipal government agencies are looking to implement IT infrastructures that enable them to operate more efficiently and cost-effectively in today's world. Modernization projects are complex and their success can depend upon the ability to handle many challenges, including:

- **Data Migration.** Government modernization efforts involve both the creation of new systems that can integrate data from legacy business systems and disparate software applications and the retirement of legacy systems. Government agencies need to migrate large volumes of data and complex business rules to the new system. An effective migration strategy involves identifying master and transaction data and moving it from an existing system into an Enterprise Resource Planning (ERP) system or custom application.

  Yet data migration projects are among the most risky, complex, and time consuming of all IT projects. According to Gartner over 80 percent of data migration projects will fail or overrun their original budgets because their scope and complexity is often underestimated. At the same time, the margin for error is small, because data migration usually supports a larger IT initiative with mission-critical objectives.

Common data migration challenges facing government agencies include:

- **Lack of data migration expertise.** Because data migration is not ordinarily an ongoing process, government organizations rarely have data migration experts on staff.

- **Poor understanding of source data.** Multiple sources, poor data quality and undocumented interfaces can all derail a migration effort without appropriate planning. Additional challenges can evolve when legacy systems are involved and the subject matter experts for the systems have retired.

- **Continuously moving targets.** Data requirements for target systems change frequently because the data migration and target applications are often developed simultaneously.

- **Complex validation thresholds.** When target systems are not yet in production, the design of data validation strategies and quality thresholds for the data migration presents a real challenge.

- **Continuous post-migration troubleshooting.** Unless appropriate expertise is available from the start of the project, poorly-executed data migration can result in weeks or months of manual analysis and remedial effort.

- **Data synchronization.** Depending on the size of the government modernization effort, both legacy and new systems may need to be active to maintain certain functionality for a period of time. Until the new system is the official system of record for all functions, data needs to be integrated and synchronized between the systems.

- **Change management.** Not only do government modernization projects update the technology that agencies use, but they also transform their strategies, policies, business processes and culture.
- **Project teams.** The complexity of these projects demands multidiscipline project teams of both internal and external resources, with primary contractors presiding over many subcontractors.
- **Security.** Since government systems can house large amounts of sensitive information, it is essential that this data is protected by using such security measures as firewalls, user provisioning, and data sanitization. The Informatica Professional Services Public Sector Practice can help your agency or department successfully complete its government modernization project on time, on or under budget. Using Informatica software and services, your organization can implement a secure, scalable, and flexible technology foundation for executing and managing data migration, synchronization, and warehousing efforts.

Value

The Informatica Professional Services Public Sector Practice delivers value to federal, state, and local and municipal government modernization projects through our:

- **Expertise.** No group of consultants has more data integration experience in the public sector. The Public Sector Practice has successfully implemented data integration solutions to support many government modernization projects. Our consultants are experts in processing large data volumes, adhering to version control rules, and administering secured data and environments. Leveraging our deep expertise in data integration, migration, synchronization, and security, your agency or department can implement solutions that deliver greater value in less time, with less effort.
- **Methodology.** We combine our data integration project methodology, Informatica® Velocity®, with best practices and practical techniques developed from real-world experience to ensure that your government modernization project is a success. Key methodologies used by modernization programs, including Software Acquisition – Capability Maturity Model (SA-CMM) and Enterprise Life Cycle (ELC), guide the Public Sector Practice through all phases of government modernization projects.

To address the challenges associated with common data migration projects, Informatica has developed a specific methodology—the Informatica Velocity Migration Methodology. This is a proven process that incorporates best practices to accelerate development, minimize staffing requirements, and lower total cost. Applying this innovative approach to data migration, we have identified techniques that can deliver dramatic productivity gains.

Informatica's philosophy on data migration is to convert early, often, and with real production data.

- **Early**. We convert data early to find out the scope and magnitude of the data quality issues. Early conversion also serves as a benchmark to estimate the length and scope of the entire project. And finally, with early conversion you see the value at the outset.
- **Often**. Our approach is iterative. The traditional approach toward data migration projects has been to deliver a "big bang" conversion. This often results in overlooked issues with a consequent major rework of the plan. The iterative approach allows for continuous tuning of the migration project until all issues are thoroughly addressed. In addition, not only do you gain increased value with each iteration, you gain confidence in the migration. This lowers the risk and makes go/no go decisions easier.

- **With real production data**. There are a number of advantages to this approach. Using production data helps identify data quality requirements and transformation rule gaps. First, you can use real data to test system-to-system interfaces. Also, you can use familiar data for training, for the system integration, and for user acceptance testing. Data Masking and sub-setting is available to allow for the use of production data without affecting the performance or results of production systems.
- **Security**. The security of your agency's data is our top priority. Many of our veteran consultants maintain security clearances. We have worked side-by-side with government agencies for years and understand the sensitive nature of their data and systems. We are committed to being your trusted partner on your government modernization project.
- **Tools**. The Public Sector Practice has accelerators and templates that expedite the development and deployment process, while ensuring data integrity, minimizing errors, and reducing costs. These tools are designed to help our public sector customers get the most of their investment in Informatica data integration software.

  To address the challenges associated with common data migration projects, Informatica Professional Services has developed a set of reusable assets based on the Informatica platform that typically automates 50 percent of development and testing in an average data migration project.

- **Partnerships**. The Public Sector practice has a track record of success working with such system integrators as IBM Global Services, Lockheed Martin, CSC, SAIC, and CACI on a variety of data integration projects for government agencies. Informatica has a broad span of partnerships with other professional services organizations, which allows us to access the right resources at any point of your project.

Key Program Deliverables

The Informatica Professional Services Public Sector Practice has a complete package of specialized resources to support government modernization projects through all phases—from analysis to operational support after go-live. Depending on the scope of your project, we can help your agency or department:

- Implement a secure, scalable, and flexible IT architecture that best positions your agency or department to take advantage of new technologies and accommodate future growth
- Migrate legacy data from retiring applications into modernized ones, including ERP and customized applications
- Profile legacy data and develop data quality plans to cleanse and standardize data as it is moved into new applications
- Convert data warehouse feeds from legacy applications to new applications
- Create test data and automate data validation efforts.
- Assist in the operations and maintenance of parallel environments as modernizations are tested through to deployment
- Protect and maintain data security and firewall protected environments for sensitive deployments

About Informatica

Informatica Corporation (Nasdaq:INFA) is the world's number one independent provider of data integration software. Organizations around the world rely on Informatica to realize their information potential and drive top business imperatives. Informatica Vibe, the industry's first and only embeddable virtual data machine (VDM), powers the unique "Map Once. Deploy Anywhere." capabilities of the Informatica Platform. Worldwide, over 5,000 enterprises depend on Informatica to fully leverage their information assets from devices to mobile to social to big data residing on-premise, in the Cloud and across social networks. For more information, call +1 650-385-5000 (1-800-653-3871 in the U.S.), or visit www.informatica.com.

Learn More

Do It Right the First Time

To discuss the scope of your project and learn how the Informatica Professional Services Public Sector Practice can help your agency or department, contact us at publicsector@informatica.com

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