



“Of course it’s important that ETI Solution® speeds the integration of legacy systems with SPS, but the real business value is the visibility it gives us into the Department’s business rules – documenting how we translate our common data elements into those unique legacy business processes currently being used across all the Armed Services.”

U.S. Department of Defense,
SPS Deputy Program Manager

ETI in Government

Unlock the value of government data

Government initiatives, ranging from bolstering national security and implementing eGovernment to improving cross-agency coordination, are too crucial to be dealt with in a stovepipe approach. Many of these information sharing initiatives require access to data from all levels of government, across a variety of processes and their supporting applications.

Recent mandates have required government agencies to improve information access for constituents by creating multi-channel access points utilizing Web sites, call centers with voice response, email and branch office applications—all accessing a single view of information for constituent services. However, problems such as overwhelming volumes of unconstructed data, security and privacy issues, classification of information and data definitions across government organizations present challenges when trying to create a single view of all of this information.

Since 1991, ETI has been helping both defense and civilian agencies solve their most challenging data integration problems. We have built on this experience to develop a complete range of high performance products to address your SOA implementations, data consolidation, synchronization, migration and data quality needs.

ETI products provide government and public sector organizations with:

- Data delivery in SOA and Web services, as well as batch and event-driven architectures, to increase flexibility
- High performance delivery of data to critical processes and applications
- Extensive experience with mainframe systems and their associated data formats
- A unique ETI Built-to-Order™ delivery model which eliminates hand coding and speeds project delivery
- Data quality management to meet government requirements including the automation of data profiling, data monitoring and data cleansing



2006 Microsoft Partner Awards
Program Winner in the Customer
Experience Award Category



2006 Bloor ETL Bullseye™ Report
Champion Silver Award Winner in the
Enterprise and Organizational Categories





High Performance Data Integration

ETI products provide high performance data integration capabilities for composite data services for SOA initiatives, data consolidation, synchronization and migration. As a complement to SOA, ETL, EAI, EII and data warehousing technologies, ETI's data integration platform extends the value of IT investments by providing high performance connectivity and transformations as organizations combine legacy and proprietary data sources with current technologies.

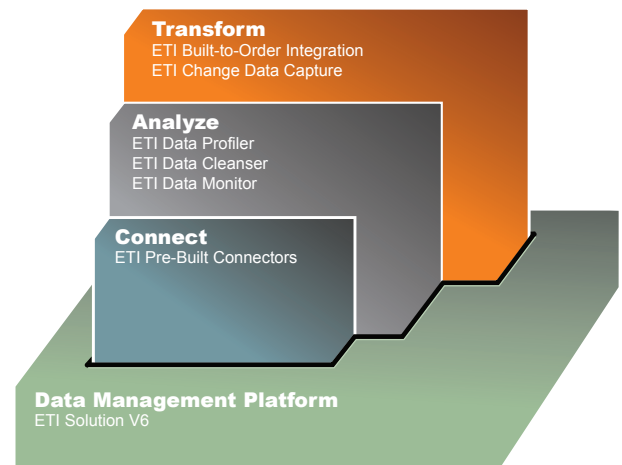
ETI products remove technology barriers, allowing you to see deeper into your business. The results are clearer thinking, more inspired decision-making, regulatory compliance and faster time to value. Our award-winning software products can solve immediate point-to-point integration needs as well as provide an enterprise-level platform on which you can manage the most complex integration efforts.

Select Government Customers

- U.S. Department of Defense Standard Procurement System
- U.S. Defense Contract Management Agency
- U.S. Intelligence Community
- U.S. Department of Army
- U.S. Department of Navy
- U.S. Air Force
- SPAWAR
- Defense Medical Logistics Standard Support

ETI Solution® Platform

If you are looking for a platform to dramatically reduce the costs, complexity and risk of major integration efforts, ETI Solution is for you. This platform creates efficient, high performance interfaces to connect and transform data from different systems and architectures. In fact, many customers have achieved 20–40 times productivity improvement over hand coding. The proven ETI Solution technology provides organizations with a flexible, efficient and scalable platform for large, complex integration requirements.



At the heart of the platform is the advanced code generating engine that has been refined over more than 15 years of R&D and customer feedback. The resulting product generates high performance interfaces in Java, C++, C, COBOL, RPG, SAP, ABAP and more. The more complex the job the better.

ETI Built-To-Order™ Integration

No training. No configuration skills required. No platform software to install. No on-going maintenance burden. ETI Built-to-Order (BTO) integration software deployed in as little as two weeks. Sound too good to be true? It's a reality for customers who leverage the ETI Integration Center™ for their data integration initiatives. ETI BTO connectors integrate mainframe, legacy and proprietary applications with your current business intelligence, data warehousing and SOA-based infrastructures.

No data is too old. No data is too proprietary. No data is too complex. The BTO connectors are created in the state-of-the-art ETI Integration Center leveraging the power of ETI Solution® software.

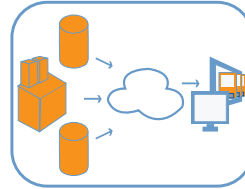
ETI Data Quality

ETI Data Profiler™ provides sophisticated analysis to discover the content, structure and quality of data sources before you start your integration project. Once profiling is complete, data quality remediation processes can be built using ETI Data Cleanser™. Both are designed to work with BTO connectors to provide ubiquitous accuracy and connectivity.

How Government Organizations Leverage ETI Technology

Data Services for SOA

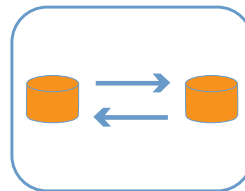
The inclusion of legacy data, applications and architectures in a modern SOA-based strategy can be difficult, costly and time consuming. It has been estimated that 70% of custom application development resources are consumed by data access and transformation tasks. ETI products allow organizations to build SOA-based data services that connect, aggregate and transform data from various sources and deliver reusable components.



- Data services can be registered in UDDI directories that buffer SOA clients from low-level changes.
- ETI allows you to remove the mystery around integrating legacy data, applications and architectures while delivering on the promise of SOA.

Data Consolidation

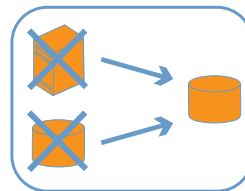
Significant business value is realized daily from data warehouses, data marts, business intelligence, master data management and enterprise reporting solutions at government organizations across the nation.



- These efforts demand the delivery of massive amounts of data from countless legacy and current source applications.
- ETI technology extends and complements these technologies, no matter how archaic or state-of-the-art, by delivering large volumes of data across dynamic environments with our advanced line of high performance products.

Data Migration

Mission consolidations and the demand to reduce costs often lead organizations to integrate systems or purchase new applications to achieve best-in-class efficiencies.



- ETI has helped hundreds of organizations successfully complete their complex data migration projects under budget and with greater accuracy by providing a flexible, metadata-driven tool to connect, aggregate, cleanse, transform and move data into target applications.
- ETI Data Profiler discovers the content, structure and quality of data and reuses those metadata findings to build repeatable and manageable migration processes.

Strategic Partnerships

ETI partners with some of the biggest systems integrators and information technology companies, including:

- CACI
- Microsoft
- Accenture
- Northrop Grumman
- BearingPoint
- Booz Allen Hamilton





Making the Armed Services More Efficient with SOA-Driven Data Services

About the application

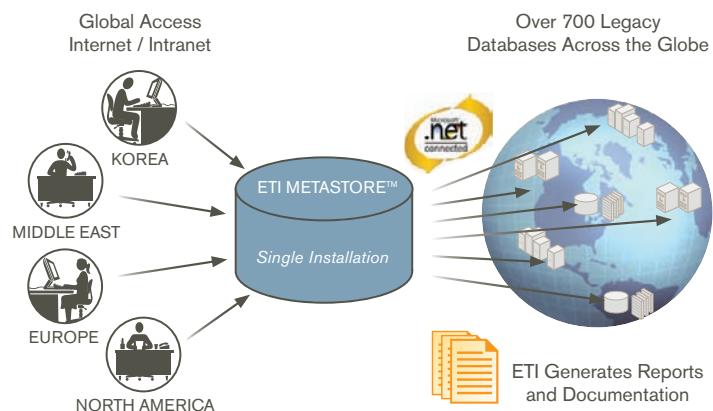
The Standard Procurement System (SPS) is an automated contracting system that standardizes procurement processing across the U.S. Department of Defense (DoD). The application known as Procurement Desktop Defense (PD²) is used by over 23,000 procurement officers, and in 2005 SPS handled \$95 billion in goods and services. The SPS is used by procurement professionals in the Army, Navy, Air Force, Marine Corps, 13 Department of Defense agencies, and the logistics, acquisition and financial management communities. By the end of 2006, the application had **more than 43,000 users** and was **one of the largest service-oriented architectures (SOA) in the world**.

The challenge

In the fall of 2003, the DoD faced the challenge of rolling out the latest release of the application. For the SPS to be fully operational, it had to be interfaced to applications at 350 military installations worldwide, each of which has two or three applications that process related transactions. Because it was likely that the SPS's interface requirements were going to change as users began to request additional features, it was critical not only that the rollout be completed in an efficient manner, but that it support a **rigorous change management methodology**.

The Technical Division Chief for the SPS JPMO was the first to recognize that trying to handcode "adapters" to interface these 700+ applications to the webMethods PD² "adapter service" would greatly increase the risk of not completing the application on time. Because ETI Solution can be used to automatically generate the code that mediates between the XML format expected by the SPS application and the native data store of the military base applications, she tested and validated that ETI would be a good fit. Once in place, she quickly realized exponential value extending far beyond the original purchase decision. The Technical Division Chief then remarked, "The automatic documentation alone is worth the cost of the product."

This figure illustrates how ETI-generated interfaces fit into the overall architecture.



Signs of success

In order to answer concerns about the efficiency of ETI's generated code, the SPS JPMO initially leased the ETI product and engaged ETI to create an interface that was functionally equivalent to one that had been created by hand. When that interface was benchmarked by the SPS JPMO Government Test Facility (GTF) against the handwritten code, it ran 18 times faster and was 10 times smaller in installation size.

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