



E-Government Challenges

Government organizations are continually being challenged to accommodate the demands of their constituents' (customers, business partners and employees) for access to information and services. In this new consumer society, everything is becoming a service, and service value is dependent on information quality and accessibility. Customers are determining business hours and increasingly seeking customized products and services. Governments will be expected to be flexible and responsive as a service business that provides increased value.

At the heart of these challenges, e-Government initiatives look to information technology to enable service delivery, streamline operations, improve customer service and adapt to new challenges. Although government organizations have developed or acquired in-house systems that manage their information assets, many of these systems have become antiquated or are un-equipped to address the challenges of electronic government. Given the state of current systems and technology choices, governments must balance the need to provide e-Government services, with the reality of operational and budgetary constraints.

Building better e-Government requires organization, planning and a solid information technology base. Extensible Markup Language (XML) and Web Services embody the potential to alleviate many of the delivery, interoperability, costs and associative problems with sharing documents and data. XML and related services will be integral to e-Government as demonstrated by the numerous XML standards efforts within local, state and federal agencies, as well as private organizations. As these efforts mature and become widely accepted, it will become imperative for government organizations to support and leverage these technologies in providing the service level expected by their constituents.

Capitol Systems Corporation

Creating successful business solutions on time and within budget requires a proven approach. To this end, Capitol Systems has worked with public and private organizations to deliver value through improved technology. To meet the increasing demands of service oriented solutions, Capitol Systems has created the *XGM Solutions Framework* for successfully delivering XML based information technology solutions faster, requiring fewer people and involving less risk, while enabling higher quality results.

XGM Solutions Framework

The *XGM Solutions Framework* (XGM) provides a service oriented foundation for managing, adapting, integrating and supporting business information. XGM is an integrated set of components and services layered on an enterprise platform that supports XML based business and transaction processing. The current XGM framework provides both a Web Services and XML gateway for intercommunication with partners via any XML standard data specification.

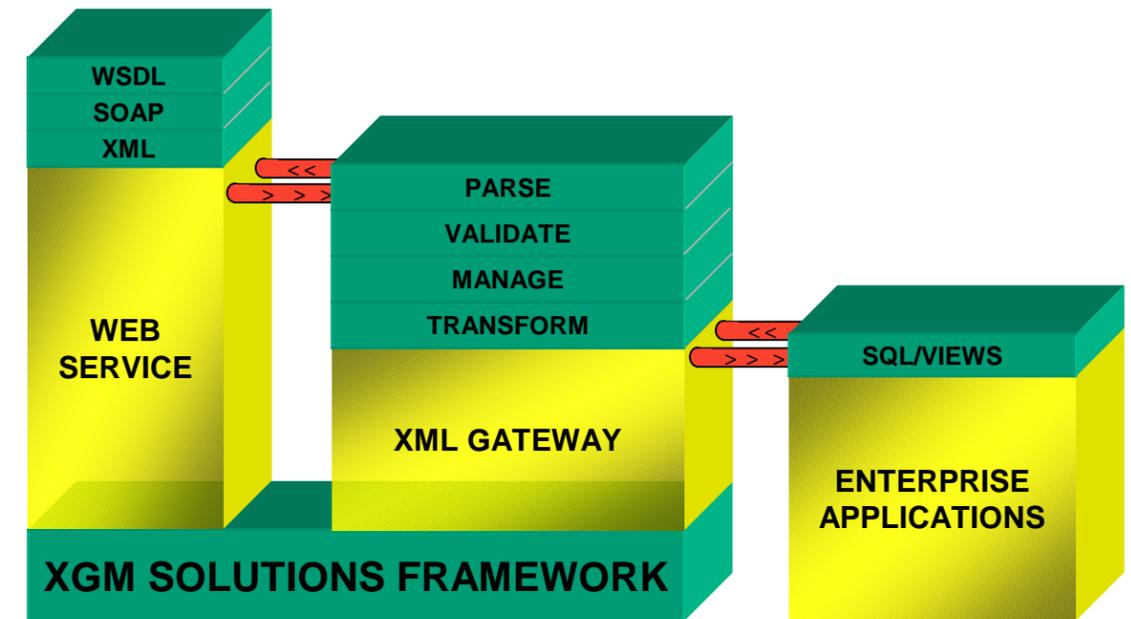
The Web Services gateway provides the necessary components to manage services using standard formats and protocols (SOAP, HTTP, XML, RMI, etc.) and has the ability to support and adapt to any business process using an integrated Business Process Engine and infrastructure that supports automated workflow and interconnectivity with enterprise application systems.

The ability to efficiently manage and process XML data is fast becoming a fundamental business problem for many organizations. The XML Gateway component provides a flexible, secure and scalable platform for managing all aspects of XML data. Built on the strength of an enterprise management platform, the XML Gateway allows organizations to deploy XML based applications and services quickly, using the latest XML standards and server techniques.

Beyond simply accepting XML documents and storing the data on a file system or database, the XML Gateway provides an integrated XML Repository that supports auditing, validation, logging, security, versioning, fidelity, data retention and on-going management. These are necessary capabilities to ensure the XML data is managed in the same manner as any organizational information asset.



XGM Solutions Framework Architecture Diagram



Key Features

- Single-scan of XML document
- Automatic indexing and searching
- Relational "Views" of XML content
- No need for intermediate/duplicate data
- Robust enterprise level platform
- Efficient storage and retrieval of XML data
- Fidelity of original XML document

Key Benefits

- Integrates with backend relational data
- Leverages Open Standards and protocols
- Inherently stores XML documents
- Installs and configures with minimal effort
- Provides for future XML implementations
- Delivers exceptional performance
- Cost savings with enterprise deployment