



Composite for Federal Government

Government agencies are under increasing pressure to improve efficiency, share information more readily and execute on ever expanding congressional mandates. To meet these demands, a number of Service Oriented Architecture (SOA) initiatives including Netcentricity, Civilian Centered Services, e-Government and more are now underway, all of which demand data from a myriad of mission-critical system. Further, there is an expectation - and often a compelling need - to access, integrate, and deliver this diverse information faster than, and more cost effectively than ever before.

Data virtualization is a critical success factor in a federal agency's ability to be agile and cost effective when integrating the key information required to its customers - citizens, industry, and other agencies or departments.

COMPOSITE SUPPORTS THE FEDERAL ENTERPRISE ARCHITECTURE (FEA) MODEL

According to the FEA Program Management Office:

"Federated Data Management is an architecture for managing and accessing information data and metadata across physical boundaries, which may be system to system, department to department, or enterprise to enterprise boundaries."

Composite data services are key enablers for the following FEA components:

- Service Component Reference Model
- Technical Reference Model
- Data Reference Model

SELECTED EXAMPLES

Cross-agency Data Sharing – Composite can help the government share data held in disparate IT systems and groups, presenting information in a uniform fashion. For example, government agencies can virtually gather and share data concerning the experimentation and distribution of hazardous substances from the Centers for Disease Control, U.S. Department of Agriculture, federally funded university projects, and more.

Dashboards and Portals – To provide the data government agencies and citizens require, Composite simplifies the process of turning disparate source data into easy-to-consume data for dashboards, self-service portals, and more. For example, a Department of the Interior agency as well as citizens can easily have an instant, comprehensive view of park attendance, weather reports, upcoming park activities, and more.

Single View of Criminal/Terrorist – Selected agencies can use Composite to deliver real-time or near real-time access to data across multiple underlying systems. For example, this capability would allow the U.S. Department of Homeland Security to pull seemingly innocuous information from multiple partners throughout the intelligence community, Transportation Security Administration, Customs and Border Protection, and Immigrations and Customs Enforcement, to identify a potential terrorist.

Operational Business Intelligence – Composite enables on-demand capture and analysis of operational data, helping government agencies to make better decisions. For example, agencies may be spending billions of dollars in over payment of many workers compensation cases. Composite can simplify on-demand access and integration of claims and payment systems giving agencies greater visibility into fraudulent cases, while avoiding expired cases.

Intelligence Analyst Workbench – Intelligence agencies can use Composite to aggregate information on suspected terrorist cell activities (e.g., flight school training, biohazard research activities, and militia group activity) from individual agencies in order to consolidate information into a repository of actionable intelligence.

Data Center One-Stop – In support of the E-Gov initiative for developing an IT Infrastructure Line of Business, Composite Software can develop a single face for the interoperability of data center functions across all sectors, partners, and government levels.

Single View of Disaster Victim – Government agencies can use Composite to get a real-time view of the inter-governmental services offered to a disaster victim following a natural or other disaster (e.g., housing allowance, transportation vouchers, monetary voucher, and child care assistance). The result would enable FEMA to better assist victims and safeguard against fraud and abuse of taxpayer dollars.