

Experts in Enterprise, Segment and Solution Architecture



Agilex utilizes its passion for enterprise architecture to foster a more agile, adaptive and extensible IT infrastructure - helping organizations streamline and improve processes, eliminate application and data silos, and to open and extend legacy systems.

Agilex is a leader in enterprise architecture (EA), working closely with federal agencies and others to implement more open, flexible and efficient IT systems. Our architects have deep experience in all facets of the discipline – enterprise, segment and solution architecture – and are highly skilled in both the tools and methodologies used to communicate and implement a long-term technical vision. To support these efforts, we have developed a unique methodology – Integrated Requirements Design – to improve the needs assessment process. Another key differentiator is our deep experience in data architecture and information management, where we help clients create and maintain ‘one version of the truth’ to improve decision-making.

Features

Agilex is a leader in all facets of EA:

- **Enterprise Architecture** – We help clients document current organizational capabilities; create strategic, but actionable IT roadmaps; maintain compliance with enterprise standards; and demonstrate adherence with key requirements, such as the Federal Enterprise Architecture.
- **Segment Architecture** – We partner with clients to optimize investment and performance decisions across end-to-end processes and enterprise service portfolios.
- **Solution Architecture** – We provide end-to-end leadership in the development of new applications and systems, including requirements analysis, process design, technical specifications and implementation guidelines.

Our Integrated Requirements Design (IRD) methodology fuses requirements analysis, process modeling and system design together into a more holistic process:

- Ensures continuous compliance with enterprise models and standards while providing detailed guidance for the development and deployment of complex enterprise systems.
- As an iterative, requirements-driven process, promotes tighter alignment between business objectives and solution capabilities.

Deep experience with service-oriented architecture (SOA):

- Significant focus on SOA due to the extensibility and reuse that it fosters as well as the simplified integration that a standards-based approach enables.
- Extensive background in the use of SOA for application modernization.

- Well-versed in a number of underlying standards and industry reference models, such as Health Level Seven (HL7) for the exchange of health information and ASC X12 for electronic data interchange.

Dedicated practice area for data architecture and information management:

- Experts in data modeling to ensure optimal resiliency, integrity, interoperability and enterprise value.
- Leverages proven approaches for Master Data Management (MDM) to improve data quality, providing both users and systems with up-to-the-minute and accurate data for critical decisions and processes.

Competencies

Federal Enterprise Architecture – We utilize our extensive experience with the Federal Enterprise Architecture (FEA) and

Agilex helped to create the enterprise architecture that established the required linkages between the Military Health System's business process requirements and underlying IT systems.

related requirements to help government agencies both comply with and benefit from these critical mandates.

Service-Oriented Architecture – Agilex helps organizations leverage SOA-based principals and concepts to develop new applications faster and implement more flexible processes. As a core discipline within Agilex, our support for SOA encompasses service design, run-time management, and SOA governance and service portfolio management.

System Integration – We utilize standards-based, open technologies, such as enterprise service buses (ESB), to link disparate systems together to automate processes, consolidate data and eliminate latency in decision-making. By integrating legacy, custom and COTS applications, we can provide agencies with a single constituent view spanning multiple domains.

Business Process Modeling - We provide the in-depth technical expertise, domain knowledge and experience with popular

process management methodologies needed to model, automate and improve critical business processes. As part of this approach, we document both the current 'as is' as well as the desired 'to be' procedure; define the process model, Key Performance Indicators (KPIs) and business rules for the new system; and establish a monitoring strategy for both compliance and continuous process improvement

Legacy Modernization – While EA is a forward-looking discipline, it cannot ignore the billions invested in legacy systems. We leverage a number of specialized techniques to integrate, web-enable and modernize legacy applications.

IT Governance – Agilex has adopted strategies, tools and methodologies for measuring, monitoring and enforcing consistency across the software development lifecycle (SDLC). Through these approaches, we can help clients comply with reporting mandates, meet service-level agreements (SLA) and continually enhance IT performance.

About Agilex

Agilex is an employee-owned enterprise application, solution, and advisory firm. Our noteworthy business and technology professionals offer innovative thinking on leveraging advanced technologies. We make it possible for our clients to optimize systems and exploit data to realize the value of information. Headquartered in Chantilly, Virginia, Agilex has delivered significant results for an impressive list of clients throughout federal, state and local government, and within global 2000 corporations.

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