SAIC Application Modernization

Thorough Technical Approach and Automated Tools Result in Less Risk and Higher ROI.

Many organizations still have critical core business and mission processes relying on applications dating back 20 years or more. Legacy applications are built on monolithic architectures where software interactions are tightly coupled, and even the smallest code change in one area can affect performance in other areas of the application, making modernization endeavors fraught with risk.

Our approach preserves legacy application integrity and value while enabling rapid, incremental modernization that fits your budget and scope. It is built upon rigorous analyses and tools that yield deep insights into customers' needs, capabilities, and missions to accelerate application modernization while lowering risk at the same time.

SAIC®

DEEP ANALYSIS AND AUTOMATION TOOLS TAKE LEGACY APPLICATIONS TO A SECURE, AGILE, FUTURE-PROOF STATE FASTER.

Benefits

LOWER COSTS
Shift legacy application budgets from O&M to value-added development

GREATER INTEGRATION
Modernized applications can more easily integrate new platforms, technologies, and capabilities, improving mission success

ELIMINATE OBSOLESCENCE
Software built upon aging technologies poses significant cyber vulnerabilities

ENHANCE AGILITY
Today's mission requirements depend on rapid delivery of enhanced functionality for users that monolithic architectures of legacy applications prevent

ALIGNMENT
Modernization results in apps that are in sync with new policies, comply with evolving regulatory guidelines, and adapt to technology advancement

KEY CUSTOMERS: NATSS, USAF, NASA, DASTO, TCSI, USDA, FRTIB, USMC SOC

SAIC's Approach and Capabilities
A microservices architecture creates stable, cloud-ready applications that lower O&M costs. In the new loosely coupled architecture, incremental changes require only incremental testing, which dramatically reduces development complexity and risks. SAIC is unique in the way we modernize legacy architectures at the source code to a microservices architecture.

UNIQUE SET OF SAIC-DEVELOPED AND COTS TOOLS
- Scans actual source code and determines overall application portfolio posture
- Assesses source code accurately (lines of code, code complexity, logic flowcharts, data flow diagrams, class hierarchies)
- Measures technical debt automatically
- Analyzes the database (entity relationship from the database)

MICROSERVICES TRANSFORMATION
- Our analysis tools automatically scan the source code and recommend candidate microservices, kick-starting the application modernization process.
- Enterprise-grade reuse repository of microservices enabling rapid capability deployment in a cost-effective manner

Proven Success

1M
ARMY SOLDIERS SUPPORTED

TOP 3
INDEPENDENT TECHNOLOGY INTEGRATOR IN GOVERNMENT SERVICES

40%
AGILE DEVELOPMENT COST REDUCTION

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