

# Reduce Sustainment Costs by Standardizing Application Infrastructure

A tested model for improving the availability, performance and manageability of mission-critical custom applications.

Agilex' exclusive Solution Center methodology is a turnkey, multidisciplinary approach that brings program, engineering and operational resources together to optimize application performance. Each engagement is led by technology and subject matter experts using reference architectures and established best practices to create standardized configurations for common implementations. This approach can be leveraged across all aspects of application infrastructure, including databases, application servers, messaging and integration, and storage networks. It also works to ensure full compatibility with popular programming languages. The Agilex Solution Center methodology is being used today to modernize legacy implementations, consolidate and migrate existing systems, and to automate infrastructure provisioning and maintenance.

## Features

The **Agilex Solution Center** methodology encompasses fully-integrated services and best practices for optimizing application infrastructure:

- A holistic enterprise approach that spans initial assessment through ongoing operations while incorporating input from all stakeholders.

**Strategy & Benchmarking** experts are engaged to evaluate current performance and create the business case for subsequent improvements:

- As CIO/CTO for the United States Postal Service, Agilex' Bob Otto consolidated eleven datacenters down to two as he achieved nine-figure cost savings.

**Architecture & Design** professionals are used to define repeatable target architectures that deliver optimal application performance:

- Architects work collaboratively and iteratively with program managers and technology operations from initial concept through final design.
- Common services are defined and standard configurations established for each reference architecture.
- Systems Design Documentation (SSD) provides detailed guidance for implementing and operating the solution.

**Engineering & Implementation** teams utilize their technology expertise to modernize, replatform and migrate each system:

- Performance engineering practices used to configure and tune each implementation to maximize throughput and stability.
- Engineers triage and troubleshoot current implementations to eliminate bottlenecks and liabilities.

**Testing & Certification** groups provide needed assurances for performance, information security and business continuity.

- Secure reference implementations used to assess production readiness of new configurations.
- Significant experience managing the certification and accreditation process across multiple federal agencies.

**Operations & Maintenance** established using industry best practices and hands on training to ensure effective adoption:

- Procedures defined and documented for maintaining system performance at prescribed levels.
- Operational best practices drawn from some of the largest and most mission-critical engagements to date.

# A Solution Center approach can reduce application infrastructure support costs by 50% or more.

## Benefits

The Agilex Solution Center methodology helps federal agencies standardize and modernize their current application infrastructure to deliver optimal performance. Agencies have utilized the Solution Center approach to migrate legacy applications to new platforms, consolidate existing systems and facilities, and to take advantage of new computing paradigm, such as virtualization, cloud computing and optimized systems.

**Cost Savings** – By standardizing on common configurations, agencies can dramatically reduce the resources required to administer, maintain and update key enterprise systems. They can also retire legacy hardware by migrating to less costly, virtualized platforms.

**Faster Time-to-Value** – New instances can be implemented more quickly and provisioned automatically, reducing the time required to go live from weeks to minutes.

**Enhanced IT Security** – A systematic approach to configuring and patching enterprise systems can significantly reduce and/or eliminate security vulnerabilities.

**Better Performance** – With increased throughput and scalability, enterprise systems can deliver answers more quickly and tackle bigger computing challenges.

**Higher Availability** – The reliability of enterprise systems is improved significantly by minimizing their reliance on dated infrastructure, eliminating non-standard configurations and integrating real-time redundancies. These steps are critical to continuity of operations planning within IT.

**Greater Productivity** – Staff utilization and job satisfaction are improved through training and knowledge transfer, specialization and the automation of repetitive tasks.

## Solution Center

### Strategy & Benchmarking

### Architecture & Design

### Engineering & Implementation

### Testing & Certification

### Operations & Maintenance

## About Agilex

Agilex is an employee-owned provider of mission and technology solutions to the national security, healthcare and public sectors. Realize the Value of Information® is our corporate mantra as we help clients unlock the value of information while reducing the cost to manage it. Our notable professionals include former federal CIOs, multiple patent holders, and architects for some of the U.S. government's most critical IT systems. Headquartered in Chantilly, Virginia, the company 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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