

Raytheon's Service Oriented Architecture Governance: Driving Enterprise-wide Interoperability and Change



Customer Benefits

Strong SOA Governance is necessary to:

- Implement rules to bring interoperability among stovepiped business processes and disparate technology platforms
- Collaborate and coordinate efforts among agencies while maintaining key levels of security and access control
- Optimize existing legacy systems and reuse of applications across the enterprise for better return on investment and resources
- Leverage commercial SOA best-in-class solutions and secure Web services to create a user-defined operational picture
- Maximize SOA infrastructure and ensure enterprise goals are achieved

Agencies and their IT teams have mounting pressures to collaborate and coordinate resources across departments, improve citizen services and implement more robust systems, all while budgets are tight and IT talent is scarce. Raytheon's Service Oriented Architecture (SOA) Governance can help deliver the seemingly elusive promise of cost efficiencies, integration and interoperability.

To have agile systems that adapt to changing business requirements, you need Raytheon's SOA Governance solution to ensure quality standards are met and Web services are effectively managed. Raytheon's SOA Governance assures services are maximized, reused, and integrated into the

operations across the enterprise so you get the full benefit and the best value out of your SOA infrastructure.

Governance for Agility and Scope

Raytheon's proven Governance approach enables the successful implementation of SOA and empowers agencies to respond to the nation's changing needs. With systematic, disciplined SOA Governance, managing Web services across the enterprise becomes more effective and cost-efficient.

Governance for Interoperability and Security

Many civilian, defense and intelligence agencies work in silos and need collaborative environments that ease the share of information. This is most critical in times of emergency when immediate actions are required and need to be coordinated. With world-class expertise in security, systems engineering, architecture and program management, Raytheon has the right experience, approach and core competencies to foster a successful SOA rollout within and across agencies.

SOA Governance enforces quality standards, effectiveness and interoperability of Web services by providing:

Services Portfolio Management

With Raytheon's intimate knowledge of your mission challenges and strengths, we ensure your business processes and Web services infrastructure achieve continuous improvements in productivity and ROI through an orderly transition to SOA.

Services Lifecycle Management

Raytheon can help you manage a risk-free approach to the development, refresh, deployment and retirement of Web services without disrupting daily operations and mission-critical programs.

Services Development Guidelines

A key part of Raytheon's SOA Governance solution is ensuring new services created comply with quality, security, interoperability and operational policies.

Services Monitoring

We help you monitor performance and availability of services to minimize disruptions and ensure mission success.

Raytheon also brings technical expertise to support a successful SOA implementation:

Architecture

With the capability to develop enterprise architecture artifacts such as a net-ready SOA aligned with federal enterprise architecture and the DoD architecture framework, Raytheon can support civilian, defense and intelligence agencies in the successful implementation of SOA and enable them to respond to ever changing end-user needs with agility and speed.

Software Integration

Raytheon provides a standard software integration backbone, along with off-the-shelf, integrated components and software – for reuse on multiple programs. These are built on an industry standard SOA integration framework.

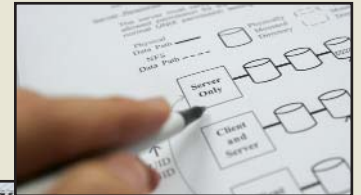
World-Class Security Engineering

With first-rate certification, multiple clearances and continuous training, Raytheon's security engineers deliver end-to-end security architecture definition, development, implementation, integration, and operations and maintenance to customers' critical mission systems.

Using SOA To Shape The Future's Weather Forecasts

The National Oceanic and Atmospheric Administration/National Weather Service (NOAA/NWS) uses the Advanced Weather Interactive Processing System (AWIPS) to analyze and disseminate operational weather data including time-sensitive, high-impact warnings. Since 2005, Raytheon has been NOAA's partner for the operations, maintenance and evolution of AWIPS, providing the integrated mission services required to sustain and enhance system performance.

As NOAA's partner in modernizing AWIPS, Raytheon is designing and constructing the next generation system. AWIPS II is being built on a SOA, and will bring advanced functionality to forecasters in the field while simultaneously simplifying code, consequently strengthening system performance and reducing the cost of maintenance.



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Customer Success Is Our Mission