

# Service-Oriented Architecture Solutions

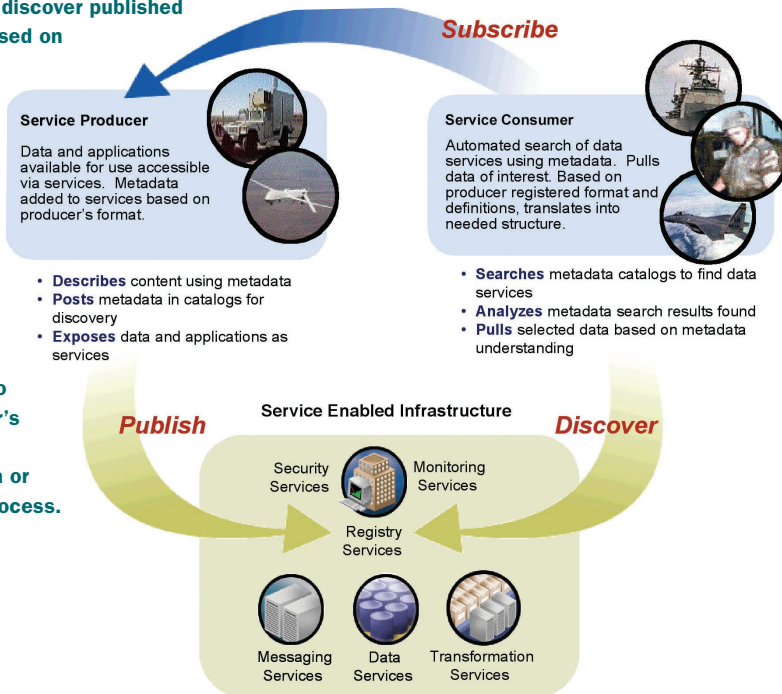
## Assured Transition to Net-Centricity

The Department of Defense (DoD) community is an extremely stovepiped environment—defined by cultural, political, and technical boundaries. In today's rapidly evolving environment, however, the importance of shared knowledge across enterprise boundaries to enhance the quality of information and enable a shared situational awareness is emerging. This new "virtual" enterprise is taking shape as the DoD community comes together in a "network" populated with a rich set of resources, including data, applications, and people.

### Booz Allen Hamilton's enterprise solutions experience and technical expertise can help build the new, net-centric DoD community

Booz Allen, a global strategy and technology consulting firm, knows that as new organizations join the network and make their resources available to the newly formed community of interest, the underlying architecture must serve a number of purposes. It must provide each organization with the ability to maintain control over the existing resources while enforcing access control policy and providing secure discovery of these resources. With deep experience helping government clients develop enterprise architecture and collaboration-enabling systems, Booz Allen can help you build a "network-centric" architecture that will enable DoD to better support its mission and realize an increased level of collaboration and information sharing.

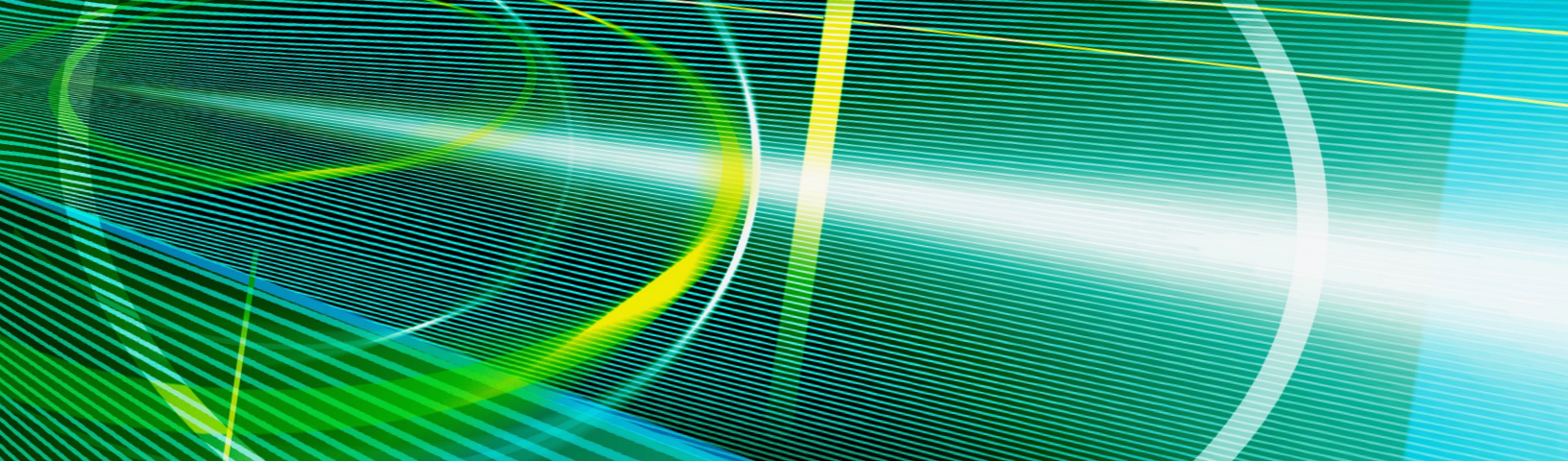
Service providers publish their web services to the infrastructure. Consumers discover published services based on metadata search criteria provided to find relevant service matches. Consumers then directly subscribe to the provider's service and use its data or software process.



### Bringing the community closer together with service-oriented architecture

Booz Allen can work with you to apply leading-edge technologies and service-oriented architecture (SOA) approaches to realize increased information sharing and achieve better collaborative capabilities across the DoD community. Our SOA solutions can help make Net-Centricity a reality through a fundamental paradigm shift—a move from platform-centric systems to net-centric systems. SOA





enables cross-organization publishing, discovery, and subscription to applications and data using Web services technology.

Booz Allen combines deep domain knowledge and leading-edge technical expertise to help you transition to Net-Centricity. Booz Allen's SOA solutions enable users in a variety of domains, including Command and Control, National Intelligence, and Defense Readiness, to benefit from the a network effect by increasing data visibility across the DoD. These solutions leverage Booz Allen's architectural expertise and open source enterprise services integration framework (ESIF). Our approach brings together an end-to-end set of information, processes, and people to form a collaborative network of capabilities across the domain.

### **Booz Allen's open source enterprise services integration framework**

Booz Allen's ESIF is an open source set of foundation services that integrates seamlessly into your existing enterprise and allows you to leverage your existing IT investments. ESIF provides a core set of services to enable secure authentication and authorization, service registration and discovery, data management and retrieval, secure messaging, and data transformation. ESIF provides organizations with the ability to:

- Create a "plug-and-play" infrastructure to

- enable rapid integration and transition of experimental applications
- Provide a scalable, highly available network of services available for dynamic consumption and assembly
- Enable secure, cross-enterprise information sharing
- Provide a distributed, decentralized model enabling domain owners to control access to data and services

The ESIF leverages open industry standards such as Simple Object Access Protocol (SOAP); Universal Description, Discovery, and Integration (UDDI); and Web Services Description Language (WSDL). By teaming with Booz Allen to achieve their Web services vision, organizations in the command and control, intelligence, and readiness communities have realized a rapid jump-start on implementation and take advantage of extensive experience and innovation.

### **Booz Allen's capabilities support an array of net-centric objectives across DoD:**

- Enterprise services architecture assessment, specification, planning, and support
- Horizontal and vertical integration support
- Enterprise services integration framework
- Advanced collaborative architectures
- Services software such as Intelligence agents and entity extraction
- Service-based data transformation and mediation
- Legacy system SOA transformation

For more information contact:

**Greg Wenzel**  
703/917.2739  
wenzel\_greg@bah.com

**Andrew Boyle**  
703/917.2481  
boyle\_andrew@bah.com

**Brad Medairy**  
703/902.5948  
medairy\_brad@bah.com

### **About Booz Allen**

Booz Allen Hamilton has been at the forefront of management consulting for businesses and governments for more than 85 years. Booz Allen combines strategy with technology and insight with action, working with clients to deliver results today that endure tomorrow.

**www.boozallen.com**