About Booz Allen

Booz Allen Hamilton has been at the forefront of strategy and technology consulting for more than 90 years. Providing a broad range of services in strategy, operations, organization and change, information technology, systems engineering, and program management, Booz Allen is committed to delivering results that endure.

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To request an invitation to become a member of the Government Cloud Computing Community website sponsored by Booz Allen Hamilton, please send an email to cloudcomputing@bah.com.

Enterprise Architecture and Cloud Computing

"The Cloud" Is Driving the Evolution of Enterprise Architecture

As Cloud Computing grows and matures, it will materially influence any organization that leverages its capabilities and services or provides "cloud-like" services to others. Its development will refine and advance architectural constructs both in individual organizations and across government agencies. Cloud Computing will take the Enterprise Architecture (EA) discipline a step forward and fully enable the integration of advanced concepts and practices that will eventually become government requirements, such as Service-Oriented Architecture (SOA) and Segment Architecture.

Booz Allen: embracing Cloud Computing architectural demands

The professionals at Booz Allen Hamilton, a leading strategy and technology consulting firm, understand Cloud Computing. This model has emerged as a new computing paradigm that arrays massive numbers of computers in centralized, distributed data centers to deliver web-based applications, application platforms, and services via a utility model (i.e., fee or charge per use). Although industry still considers Cloud Computing an "emerging technology," Booz Allen recognizes the significant impact Cloud Computing will have on how the government procures, implements, and manages its IT investments.

With this early recognition, Booz Allen commenced internal technology and pilot implementation studies, along with prototype client projects, to further investigate Cloud Computing's implications and determine best paths to success for customers. As a result of these early "investigative" and baselining efforts, Booz Allen has been at the forefront in supporting the Cloud Computing initiative in the federal government for several years.
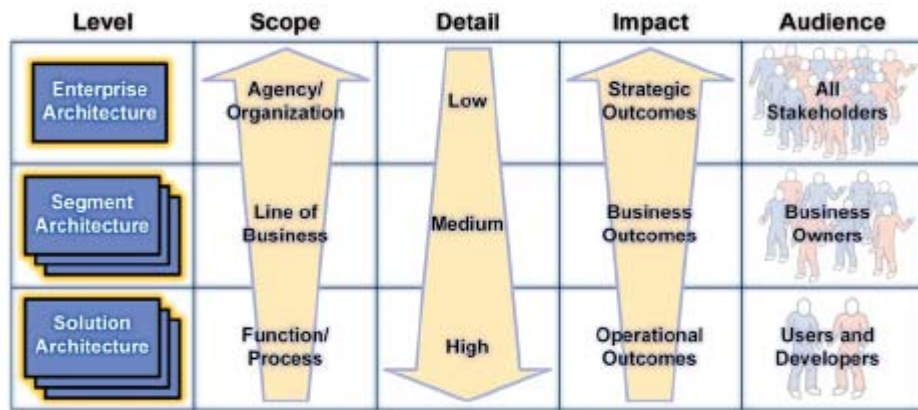
Booz Allen's Cloud Computing enterprise architecture services

Booz Allen's Cloud Computing EA services include classic EA efforts now applied in government and rapidly emerging expanded and new EA reference models that will apply to Cloud Computing. These efforts and capabilities address critical questions and establish crucial baselines. They also span forward-looking planning and operational demands, such as:

- Determination of a cloud-ready architecture to satisfy client requirements and a methodology to transition and transform to a cloud-based computing environment

- Accommodation of "cloud-centric evolutionary architectures"; e.g., development of the architecture required to plan what the cloud lacks at the time of initial transition (retained or non-transitioned systems) and what the cloud may contain in the future

- Definition of an architecture to help clients determine and plan how to manage in-house IT and its relationship to one or many clouds

- Compliance with SOA and Federal Segment Architecture Methodology (FSAM) in a cloud framework

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delivering results that endure

Level	Scope	Detail	Impact	Audience
Enterprise Architecture	Agency/ Organization	Low	Strategic Outcomes	All Stakeholders
Segment Architecture	Line of Business	Medium	Business Outcomes	Business Owners
Solution Architecture	Function/ Process	High	Operational Outcomes	Users and Developers

Knowledge and understanding of EA—and its practice and use—is not purely technical. EA drives the business value clients seek, enabling them to meet mission and programmatic requirements and ensuring compliance with the various statutory, regulatory, and policy requirements facing government organizations today.

EA is a core element of the Government Cloud Computing Community website. Booz Allen's forum on EA addresses EA and the role EA, other standards and methodologies, and major initiatives will play in Cloud Computing. From a variety of perspectives—such as enhancing business architecture, applications architecture, services architecture, data architecture, technology architecture, and security as a cross-cutting mandate—Booz Allen thought and action leadership will enable the government to make a successful transformation to the cloud-based computing environment.

Booz Allen experience and expertise

Booz Allen has achieved a position of leadership in the government's adoption of Cloud Computing. From the firm's early testing of Cloud Computing constructs and vendors, transition planning, and technological methodologies to its hosting of the highly regarded Cloud Computing Summit in October 2008, Booz Allen has been at the forefront in understanding, developing, adapting, and upgrading effective tools and paradigms so government agencies can use this new technology.

Booz Allen has successfully conducted major EA efforts for many government agencies, including the National Science Foundation, Environmental Protection Agency, and Alcohol Tobacco Tax and Trade Bureau. The firm was at the forefront of supporting the Office of Management and Budget in defining the overall Federal Enterprise Architecture Program (FEA) initiative nearly a decade ago. Over the past several years, Booz Allen has been developing internal prototypes and client-specific Cloud Computing pilot efforts in areas of general and mission-specific importance, such as high-volume transaction-based systems for the cloud, national security, and social networks. This experience has given Booz Allen an unparalleled view of Cloud Computing and has provided the firm an industry-leading knowledge and skill set in EA and related operational areas. Using these skills and knowledge, Booz Allen can fully support customers in their moves to Cloud Computing in every aspect and dimension—from planning to migration to operations and maintenance.

Whether you're managing today's issues or looking beyond the horizon, count on us to help you be ready for what's next.

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