

About Booz Allen

Booz Allen Hamilton is a leading provider of management and technology consulting services to the US government in defense, intelligence, and civil markets, and to major corporations, institutions, and not-for-profit organizations. Booz Allen is headquartered in McLean, Virginia, employs more than 25,000 people, and had revenue of \$5.59 billion for the 12 months ended March 31, 2011. (NYSE: BAH)

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A Strategy for Innovation: Mission Engineering® and Cloud Computing

Rapid changes in technology, shrinking federal budgets, and the need for programs to perform at a high level have pushed organizations to innovate. As they do, they are asking important questions: How do we keep our risk factors low yet still implement cutting-edge technology that keeps our performance efficient and at the highest caliber? How do we “green” our systems without losing any capabilities or control? Can we reduce system complexity and costs?

Booz Allen Can Help You Be Ready for What’s Next

Booz Allen Hamilton, a leading strategy and technology consulting firm, uses the Mission Engineering® (ME) structured approach to deconstruct an enterprise into its core segments and business processes in support of cloud analysis. With cloud analysis, potential service enablement opportunities—or “cloud service candidates”—are identified and defined within an enterprise. Booz Allen uses the ME community analysis and operations analysis phases to facilitate the cloud analysis process. By leveraging ME’s top-down, graphically rich approach to identify cloud service candidates, Booz Allen creates a robust, business-driven service portfolio with maximum reusability and agility across the enterprise.

Cloud computing is 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., per-use fee or charge). Although industry still considers cloud computing an “emerging technology,” Booz Allen has for years recognized the significant impact that cloud computing will have on how the government procures, implements, and manages information technology (IT) investments.

This knowledge has led to the awareness that cloud analysis is a key step in an organization’s move to cloud computing because the process analyzes the maturity of services before placing them into the cloud computing architecture, thus maximizing performance and reducing costs.

Booz Allen’s early recognition of cloud computing’s potential led the firm to initiate internal technology and pilot implementation studies, along with prototype client projects, to learn more about how organizations could best adopt cloud computing. These early investigative and baselining efforts have put Booz Allen at the forefront of support to the federal government’s cloud computing initiative for several years running.

Booz Allen’s Service Offering

Booz Allen’s cloud computing enterprise architecture (EA) services include innovative EA efforts now applied in government and in rapidly emerging reference models that relate 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:

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delivering results that endure

- 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”; for instance, development of the architecture required to plan what the cloud lacks at the time of transition (e.g., retained or non-transitioned systems) and what the cloud may contain in the future
- Definition of an architecture to help clients manage in-house IT and its relationship to one or to many clouds
- Compliance with service-oriented architecture (SOA) and the Federal Segment Architecture Methodology (FSAM) in a cloud framework

Booz Allen’s ME cloud analysis process contains five phases to define a cloud computing strategy:

1. Enterprise Structure Analysis
2. Business Modeling
3. Cloud Service Candidate Portfolio Development
4. Detail Cloud Service Compositions and Data Transactions
5. Cloud Service Candidates Prioritization

Cloud analysis gives an organization a detailed view into its structure, business processes, and technology while integrating cloud computing capabilities into the portfolio. It also will help determine the maturity and prioritization of services to move to the cloud. The cloud analysis process will deliver a manageable services portfolio that can be strategically moved into the cloud.

Success Stories

Booz Allen has been leading partner to the federal government as it has adopted 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 led in understanding, developing, adapting, and upgrading effective tools and paradigms that enable government agencies to use this new technology.

Booz Allen successfully conducted major EA efforts for many government agencies, including the National Science Foundation, US Environmental Protection Agency, and US Treasury’s Alcohol and Tobacco Tax and Trade Bureau. The firm took the lead in supporting the Office of Management and Budget effort to define the overall Federal Enterprise Architecture (FEA) initiative nearly a decade ago. In recent years, Booz Allen has been engaged to develop internal prototypes and client-specific cloud computing pilot efforts in areas such as high-volume, transaction-based systems for the cloud; national security; and social networks.

All of this experience gives Booz Allen an unparalleled view of cloud computing and industry-leading knowledge and skills in EA and related areas. Using these skills and this knowledge, Booz Allen can fully support clients as they move to the cloud and do so in every aspect and dimension—from planning and 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.