Booz Allen Cloud Solutions
Our Capability-Based Approach
Booz Allen Can Help You with Integrated Cloud Capabilities
Booz Allen Hamilton, a leading strategy and technology consulting firm, can help organizations meet these challenges as they navigate from legacy systems to virtual, cloud environments. We offer an integrated suite of cloud capabilities, deep subject matter expertise, and unparalleled hands-on experience with a broad range of cloud technology products. We support commercial and government clients using a wide range of cloud-based solutions—in strategy, economic analysis, migration, analytics, architecture, and deployment—to meet their diverse needs. By leveraging domain and cybersecurity expertise, corporate research partnerships with companies such as Amazon Web Services, advanced analytics, and an understanding of cloud infrastructure, we help clients determine the best way to harness the cloud environment and tackle their toughest problems.

Our Capability-Based Cloud Approach
Implementing Booz Allen’s cloud solutions offers numerous benefits to clients, including increased productivity, return on performance, and cost savings. Our cloud computing acceleration program offers a low-risk opportunity for our clients to quickly assess the suitability of cloud solutions in their organization. Through this program, we are currently helping clients with an extensive suite of cloud-based capabilities:

- **Cloud Strategy and Economics.** Strategy, technology, and economic analysis for evaluating and planning all of the business, technical, operational, and financial aspects of a cloud transition.

- **Advanced Cloud Analytics.** Delivery of scalable analytics platforms, which allows: the processing of information at extreme scale; eDiscovery; high-volume, full-text indexing; and context-based search of information.

- **Cloud Infrastructure Security.** Unified risk management approach to defining cloud security requirements, controls, and a continuous monitoring framework that addresses data protection, identity, privacy, regulatory, and compliance risks.

- **Platform and Storage Transformation.** Tiering methods; tiering; chargeback and pricing models; cloud bursting; and pooling storage capacity resources across on-premise and cloud environments.

- **Endpoint Cloud Optimization.** Tools for building packages, configuration profiles, and components that go into creating a secure, ready-to-use computing environment for end users. Build reports, automation, and notifications to help the business run smoothly and make informed data-driven decisions.

- **Cloud Infrastructure Engineering.** Design and implementation of infrastructure as a service (IaaS) offerings that provide global access to data storage, computing, and networking services on demand through self-service portals.

- **Public Cloud Adoption.** Orchestration, provisioning, and on demand without metering and limits. Cloud adoption needs to be engineered and aligned between the business and technology.

- **Cloud Brokering.** A complex integration of strategy, business processes, service management, and technical capabilities that ensures the reliable delivery of secure, cost-effective, and useful cloud services.

- **Cloud Service Management.** “A single pane of glass” transparency across cloud providers and within a provider’s offering, monitoring application health, usage, and availability, while keeping costs in check and the technology task list low.
Leveraging Partnerships to Solve Real Client Problems

Booz Allen continues to build on its integrated suite of cloud capabilities by developing solutions to real client problems. Some of these solutions were possible through our partnership with Amazon Web Services, leveraging partner programs to support our development of repeatable solutions hosted in the cloud. The following summaries outline some of these proof of concepts:

**Storage Optimization.** Booz Allen is helping a defense client identify and assess critical factors and metrics in the migration of its entire supply chain management test/development system to a cloud computing environment. This proof of concept enables the client to research and test a cloud-based system without any financial or long-term commitment. The anticipated outcome of this cloud solution would offer a substantial return on performance and cost savings over current legacy services, while maintaining a high level of security and satisfying critical mission requirements.

**Disaster Recovery.** Booz Allen is helping a government client that has encountered multiple challenges in implementing a public cloud option for its existing environments, including incorporating a disaster recovery solution. In this proof of concept, Booz Allen helped the client research, test, and implement a cost-effective, cloud-based solution, virtualizing all machines required to mirror current components and leveraging a virtual private cloud to create a secure, extended network that would keep data synchronized from production to disaster recovery. The solution provides faster recovery times in a disaster, on-demand synchronization of environments, and a reduction by nearly two-thirds on monthly hosting expenses, as well as long-term cost avoidance associated with ownership and maintenance of servers, storage, and networking equipment.

**Data Recovery.** Like many US federal agencies with shrinking budgets, the client wanted to reduce the cost of maintaining a separate physical disaster recovery environment by replacing its outdated, hardware-based system. In this proof of concept, Booz Allen helped the client research, test, and implement a cost-effective, cloud-based solution, virtualizing all machines required to mirror current components and leveraging a virtual private cloud to create a secure, extended network that would keep data synchronized from production to disaster recovery. The solution provides faster recovery times in a disaster, on-demand synchronization of environments, and a reduction by nearly two-thirds on monthly hosting expenses, as well as long-term cost avoidance associated with ownership and maintenance of servers, storage, and networking equipment.

**Secure Infrastructure for a Mobile Ecosystem.** Booz Allen is assisting a defense agency client in establishing a mobile ecosystem, enabling the development and deployment of mobile applications so it can equip its highly mobilized workforce and support staff with tools to be more efficient and effective. We are implementing a solution to establish a secure infrastructure capable of hosting a mobile services gateway, as well as mobile device management (MDM)/mobile application management (MAM) solutions to deploy internal and external apps and manage government-issued devices. The expected outcome of this proof of concept is a secure, virtual private cloud that leverages an existing security accreditation with additional security controls that are capable of securely hosting the client’s controlled, classified data, which includes personally identifiable information (PII). This anticipated solution will result in a secure, cost-effective infrastructure on which the client can build out its mobile capability.

**Episode Grouper as a Service (EGaaS).** Booz Allen is helping a government agency develop a cloud-based solution to operationalize large data sets and associated analytic processing. In the early stages of this proof of concept, we built the Episode Grouper application under contract to analyze expected and actual costs related to episodes of care. Loaded into a last flat, non-Structured Query Language (SQL) distributed file system, a large data set will be divided into many smaller chunks for parallel processing across many instances of the Episode Grouper application in a cloud environment, efficiently processing claims data sets that represent more than 40 million beneficiaries. The results will be aggregated and presented for downstream analytic use in less than half the time it takes in a large single server environment. Episode cost information will be used to determine value assessments that support payment adjustment algorithms.

See our ideas in action at boozallen.com
About Booz Allen

Booz Allen Hamilton has been at the forefront of strategy and technology consulting for 100 years. Today, Booz Allen is a leading provider of management consulting, technology, and engineering services to the US government in defense, intelligence, and civil markets, and to major corporations and not-for-profit organizations. In the commercial sector, the firm serves US clients primarily in financial services, healthcare, and energy markets, and international clients primarily in the Middle East.

Booz Allen helps clients achieve success today and address future needs by applying functional expertise spanning consulting, analytics, mission operations, technology, systems development, cybersecurity, engineering, and innovation to design, develop, and implement solutions. The firm’s management consulting heritage is the basis for its unique collaborative culture and operating model, enabling Booz Allen to anticipate needs and opportunities, rapidly deploy talent and resources, and deliver enduring results. Booz Allen helps shape thinking and prepare for future developments in areas of national importance, including cybersecurity, homeland security, healthcare, and information technology.

Booz Allen is headquartered in McLean, Virginia, employs nearly 23,000 people, and had revenue of $5.48 billion for the 12 months ended March 31, 2014. Over the past decade, Booz Allen’s high standing as a business and an employer has been recognized by dozens of organizations and publications, including Fortune, Working Mother, Forbes, and G.I. Jobs. In 2014, Booz Allen celebrates its 100th anniversary year. More information is available at www.boozallen.com. (NYSE: BAH)

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