

Segment Architecture

Architecting for Rapid, Measurable Results

Many large government organizations struggle to realize the full potential of their IT investments. As a result, management reforms have emphasized enterprise-wide business-driven approaches to architecting, investing in, and implementing IT solutions. Agencies have begun applying Enterprise Architecture (EA) and IT portfolio management as sound practices for ensuring business needs and strategies drive IT investments. However, demonstrating measurable results from these activities continues to be a major challenge, and oversight bodies, such as the Office of Management and Budget (OMB), continue to raise the bar for what constitutes success.

Segment Architecture is an approach to developing a detailed “deep dive” architecture for a distinct part of an enterprise where measurable results are quickly achievable. It encompasses the business-driven modeling and design of architectural layers (performance, business, data, applications and services, technology) at a more detailed and actionable level of granularity than traditional EA. Segment Architecture provides a framework for surgically diagnosing, analyzing, and solving specific business issues that result from common architecture misalignments. Because of its ability to yield EA results quickly, OMB now requires Segment Architecture as a cornerstone of a “green” EA program rating.

The Booz Allen Advantage

At Booz Allen Hamilton, a leading strategy and technology consulting firm, we view Segment Architecture as an element of a comprehensive chief information officer (CIO) value chain that spans from IT strategy formulation to delivery of business-aligned solutions. Segment Architecture represents an extension of traditional EA programs—it enables the incremental build-out of EA detail. Segment Architecture, as an element of a mature EA program, addresses many of the limitations of traditional EA practices, such as lack of meaningful detail, inability to move quickly from architecture to solution implementation, limited involvement and buy-in from business owners, and difficulty attributing specific business results to architecture efforts. Key differentiators of Booz Allen’s Segment Architecture offering include:

- **Proven Methodology With Demonstrated Results**—We offer a structured, repeatable set of processes and work products that have been successfully applied and refined. We have already delivered Segment Architecture results across a broad range of clients. We understand potential pitfalls and can bring best practices from across the federal government.
- **Multi-Disciplinary Approach**—Booz Allen can deploy the right resources at the right times. Our Segment Architecture professionals are experts in strategy, architecture, and other disciplines, and they have extensive client domain knowledge.
- **Adaptable Framework**—We can readily adapt our methodology and framework to a variety of segment types and scenarios.

Booz Allen’s Segment Architecture Methodology

Booz Allen has developed a flexible, five-phase Segment Architecture methodology that integrates best practices from multiple disciplines, including strategy development, EA, and systems engineering. Our proven methodology allows our professionals to rapidly deploy and execute solutions.

About Booz Allen

Booz Allen Hamilton has been at the forefront of strategy and technology consulting for 95 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..

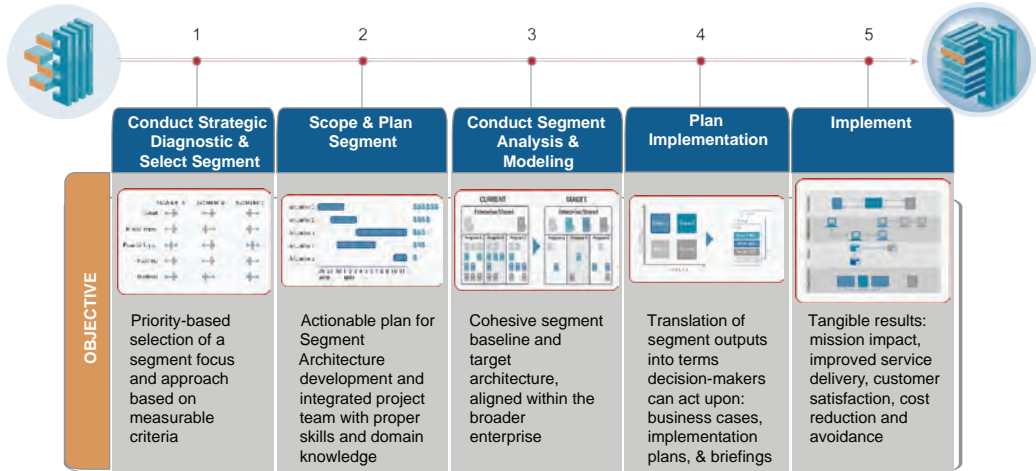
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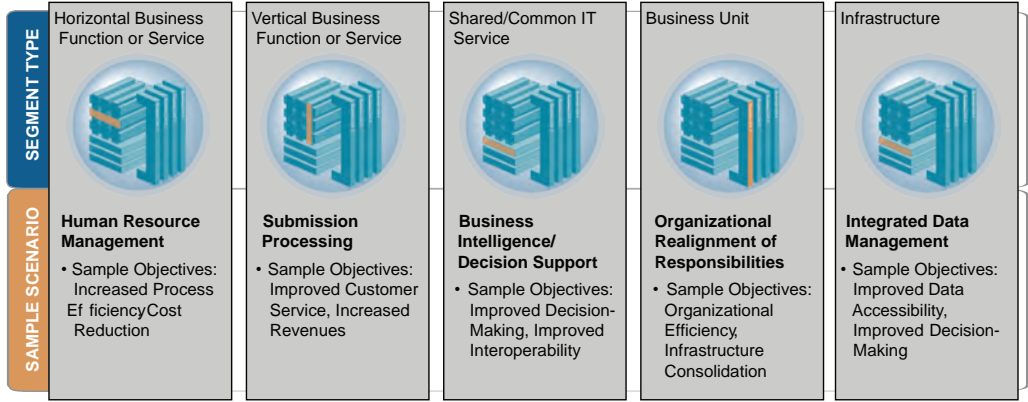
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We tailor our methodology to the unique business challenges of our clients. The approach we follow involves identifying the segment’s desired objectives and performance outcomes early on. From our toolkit of standard Segment Architecture methods and work products, we can quickly craft a lean approach by emphasizing work products that address the business objectives for a specific scenario:



Our Segment Architecture Experience

Booz Allen has helped a broad range of government clients architect and implement solutions to their critical business problems. As our recent Segment Architecture experience indicates, our strength is in developing architectures that deliver tangible business results. Some of our recent clients include:

- Department of the Treasury
- Defense Information Systems Agency (DISA)
- National Science Foundation (NSF)
- Nuclear Regulator Commission (NRC)
- EPA Office of Solid Waste & Emergency Response (OSWER)