Delivering Data Enclave Solutions

Drive Secure Innovation

Booz Allen®

Accelerating Your Initiatives, Safeguarding Sensitive Data

As automotive manufacturers compete in the marketplace, they seek secure and scalable ways to use their data to generate tailored insights, inform product designs, and develop new AI-powered technologies

By utilizing their confidential business data, companies can empower hyper-relevant and actionable findings. However, due to the highly sensitive nature of the consumer data collected by vehicles, security is critical. Manufacturers must ensure responsible data use, development, and governance, especially with increasing regulations and FTC scrutiny[1]. Loss of reputation is a price few can afford to pay. Data enclaves offer a robust solution by providing proper governance, security, monitoring, and hygiene to protect sensitive business data.

Data Enclaves are in Demand

Data enclaves are essential for automakers at the forefront of innovation. These environments enable companies to harness the power of their data at scale to drive their business decisions and fuel their competitive advantage. A data enclave is a secure environment that allows end-users and researchers to easily and securely access and analyze confidential business data. Vehicle manufacturers can utilize this raw information to streamline business needs and processes, capitalize on their data, and develop groundbreaking products. Typically, enclaves include secure enterprise data storage backed by strong governance and monitoring to maximize benefits and minimize risk.

SIGNS YOU NEED A DATA ENCLAVE

If your business leaders or teams are saying any of the following things, a data enclave should be part of the conversation.

"We need to centralize our confidential business data."

"We want to integrate AI or GenAI with our confidential business data and run AI models against it."

"We need a highly regulated, secure, compliant environment for our research and development teams to utilize."

"We must be able to monitor and audit user access to our highly confidential data."

Enclaves Enable Enterprises To

- *Mitigate unauthorized exfil or exposure of data by trusted users or AI tools.*
- *Formalize and help provide reliable, governed, and monitored access to secure business data.*
- *Natively integrate AI agents, chatbots, and other analytics locally with data.*

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Data Enclaves in Top Gear

Booz Allen's team improves and provides streamlined and governed access to data and analytics at scale—even in the most complex and critical enterprise environments. We have proven experience implementing immensely sophisticated data enclave environments with mission-critical data from leading global auto manufacturers to massive government departments.

GLOBAL AUTO MANUFACTURER

Booz Allen assisted this leading automotive company in accelerating the creation of their data enclave. This secure environment houses confidential data crucial to maintaining a competitive advantage and allowing defined users secured access to data sets used to advance AI initiatives.

- Enhanced security of a user-friendly enclave to boost data visibility and security while reducing time to data.
- Creation of opportunities for future automation leveraging AI to drive additional value extraction from data.
- Enabling future opportunities for external partner outreach to bolster data integration and augmentation.

DEPARTMENT OF DEFENSE

We recently partnered with the Department of Defense (DOD) to build a secure and authoritative data platform: Advana. This immensely sophisticated data enclave environment makes the department's classified and confidential data discoverable, understandable, and actionable by mission owners, analysts, and data scientists

- The unclassified instance holds 4700+ TB of data, including 32 million PII records and highly sensitive contract, financial, and audit data.
- The enclave supports more than 7,000 users across the Army, Navy, and Air Force.
- The environment takes in data from more than 120 DOD systems—providing a flexible and automated framework for data acquisition, engineering, and governance.

Why Booz Allen

When planning, designing, and building your data enclave environment, you need a partner with industry-leading experience you can trust. Booz Allen's unique expertise in secure data platform design and development for automotive manufacturers streamlines deployment. Whether you have an existing data enclave or are looking to build from the ground up, our team can engineer secure enclaves without sacrificing efficiency due to our repeatable architectures, automated controls, and advanced analytic tooling.

Security-First Approach

- Zero Trust Solutions
- Cloud Engineering Expertise

Standardized & Repeatable Architectures

- Secure-By-Design Architectures
- Cloud Engineering Expertise

Automated Monitoring & Governance

- Leading-Edge Enterprise Risk Solutions
- Organizational Transformation Expertise

Use Case Development

- Advanced Analytics & AI

TO LEARN MORE, CONTACT BOOZ ALLEN: **INFOSEC@BAH.COM**

About Booz Allen

Booz Allen is the advanced technology company delivering outcomes with speed for America's most critical defense, civil, and national security priorities. We build technology solutions using AI, cyber, and other cutting-edge technologies to advance and protect the nation and its citizens. By focusing on outcomes, we enable our people, clients, and their missions to succeed—accelerating the nation to realize our purpose: Empower People to Change the World.®

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