Data Analytics Service

Welcome to VA FSC DAS

Our team, Data Analytics Service (DAS), provides accurate, meaningful, and actionable analytics, allowing the Financial Services Center (FSC) and its customers to meet their goals.

Featuring a robust tech stack along with experts in data engineering, data architecture, data science, and project management, DAS tackles a variety of big data problems and creates customized solutions to fit end-user needs.

Franchise Fund

We provide common administrative support services on a fee-for-service basis versus General Administration appropriation to meet our federal clients' requirements on time and within budget. We are familiar with the unique challenges that government agencies face.

We have a unique blend of professionals dedicated to technical excellence, responsiveness, and superior performance. We are the provider of choice through competitive prices, proven performance, leadership and outstanding service.

We are customer focused. We provide more than a service; we build a partnership with you. We have a professional obligation to our federal clients to maintain excellence and adapt to ever-changing business challenges by providing appropriate, timely common administrative support services.

We strive for your complete satisfaction. Thanks to our dedicated workforce, clients can reap the benefits of cost savings and improved service delivery to support mission-critical programs.

We are available to consult when you need it and we're with you every step of the way.

We can customize our services to meet your unique requirements at fair and reasonable prices.

We demonstrate outstanding financial stewardship with a history of clean audit opinions.

DAS Services & Capabilities

AI & Machine Learning	Business Intelligence	Data Analysis & Modeling	Data Architecture
Data Product Training	ETL Development	Predictive Analysis	Report Automation

Data Analytics Service

We are a distinguished full-service data analytics organization within the VA with portfolios in finance, business intelligence products, Financial Management Business Transformation (FMBT), healthcare and supply chain. DAS has harnessed billions of rows of data, worked with non-cleansed and cleansed government data and converted it to useful data. DAS has its own ISSO-approved Azure cloud environment and is actively advancing effective, productivity-enhancing tools and solutions to audit issues throughout the VA.

Financial/Healthcare

Data management, consolidation, and business intelligence reporting for data-driven financial decisions; leveraging large-volume data consumption for fraud, waste and abuse detection.

Supply Chain

In depth analytics focused on supply chain, Logistics and purchase card utilization. First ever VA deployment of a large language model (LLM) improving data matching by over 34%.

Financial Management Business Transformation

Leading the VA in deploying business intelligence and data science driven analytics in support of our new financial management and accounting system.

Recent Accolades

Industry Transformation Winner in Public Sector
databricks

- Databricks Data Team Disruptor Award 2023 Finalist

- FedHealthIT Innovation Award Winner, 2021 & 2022

- VA's Chief Data Officer nomination for GSA's Federal Chief Data Officer Council Team of the Year, 2022

Improving Supply Chain Management

Using artificial intelligence-based LLM capabilities, DAS analyzed unstructured-data, including product descriptions and specifications, to reduce off-contract spending at the VA and resulting in an approximate 40% to 80% improvement in medical surgical prime vendor spending.

By leveraging data science, the VA's supply chain management will become more efficient and cost-effective, reducing the time and effort required for purchasing, and allowing staff to focus on more strategic initiatives.

The project is now a full-scale initiative, with the team working toward productionalizing the solution.

Financial Reporting Transformation

The Office of Information and Technology (OI&T) offers a web-based application VA enterprise-wide called the Financial Reporting System (FRS). This application is an on-line ad-hoc query tool that accesses a database of VA data. The application was built with older, unsupportable software tools and techniques making it harder and more expensive to maintain.

DAS is modernizing this application with a Power BI user interface and state-of-the art tools that support the back-end data.

Modernizing Financial Analytics to Improve Performance and Reliability

DAS experienced a growing demand for analytic products that leverage large data sets, reconcile data from multiple systems, and integrating over 8 billion rows of data.

This modernized technology platform enhanced DAS' analytic reporting, and artificial intelligence/machine learning capabilities by reducing extract, transform, load (ETL) runtime from 10 days to 3 hours, rendering complex dashboards in under 5 seconds (87% faster) and improving data processing capacity by 2.5 times.

DAS has eliminated 1,000 working hours/week, increasing the data processing speed by 200 times.

Seeking to Prevent Fraud, Waste and Abuse

To improve the efficiency of VA's Purchase Card Program and procurement processes, DAS developed a dashboard application that facilitates purchase card analysis and oversight for compliance with laws and policies. Using data analysis and modeling, the app provides dynamic data access, analysis, and continuous monitoring of program data. The dashboard processes 10 million records per day and identifies patterns of purchasing behavior and risk. This data architecture can highlight potential cost savings as well as reduce purchase card fraud waste and abuse.

Future iteration of the purchase card product will include a cloud version and advanced analytics, that will boost efficiency, drive innovation and further reduce risk while improving the customer experience.