

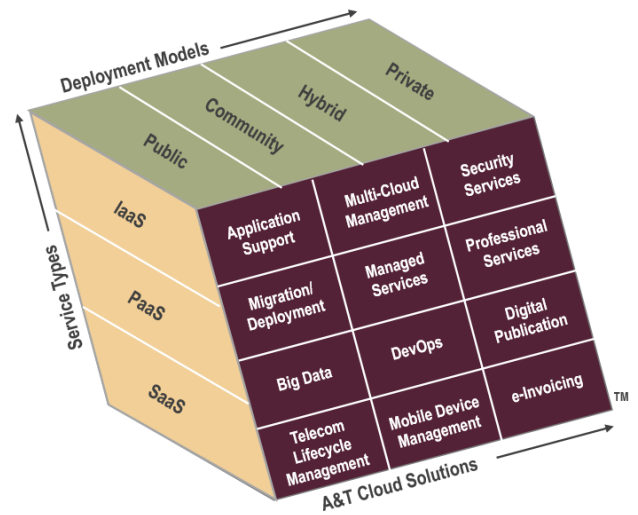
# Big Data Cloud Solution

**A&T Systems**, an AWS government-competency reseller, **has teamed with Databricks** to offer a one-stop, proven data solution that combines the leading **big-data SaaS tool, Apache Spark**, with a seamless cloud platform on which to address all big-data goals and challenges. A&T will design, architect, and implement the cloud solution and then provide on-going managed services to make Databricks tools available to users.

## A&T—Fully Qualified Small-Business Cloud Reseller for Amazon Web Services

**All Deployments, Service Types, and Stages:** A&T’s relationship with AWS and experience providing cloud solutions to public sector, federal, state, and local governments position us to **assist clients who need to select, acquire, establish, implement, and maintain secure, robust, scalable capabilities in the cloud** with platforms for development, test, staging, production, or training.

A&T is a responsive, capable small business that now provides many federal and state agencies a full lifecycle range of self-service options to Dev/Ops cloud services—from initial assessment and discovery through long-term managed services and technology refresh activities.



## Acquisition Contracts

Vehicle	A&T Contract #
Army ACCENT	W52P1J-17-G-0055
GSA Schedule 70, SIN 132-40	GS-35F-247DA
National Association of State Procurement Officers	AR2494
National Cooperative Purchasing Alliance	01-61

## Sample List of A&T’s Government Cloud Clients

- Army
- Binghamton, NY Board of Education
- Department of State
- Department of Veterans Affairs
- District of Columbia Health Benefit Exchange
- FCC
- National Association of State Workforce Agencies
- Office of Personnel Management
- State of Maryland

## Federal, State, and Education Clients Enlist A&T Systems to Assist with Cloud Migration, Architecture, Design, Deployment, Security, and Managed Services

A&T Systems is a small business offering highly experienced cloud architects/engineers who provide 155,000 AWS Contract Line Item Numbers (CLINs), Professional Consulting Services Labor Categories, and Cloud Managed Services via Government Wide Acquisition Contracts (GWACs), and cloud consulting to many government clients.

With 34 years of government experience, we deliver 24/7 Cloud NOCC support using certified, cleared AWS architects/engineers; U.S. citizens.



## Award-Winning Support for District of Columbia Health Benefit Exchange Cloud Services Contract—Voted Best ACA Site in the U.S.!

Amazon Web Services awarded a 2016 City on a Cloud “Best Practices” citation to the District of Columbia Health Benefit Exchange Authority for innovations on its Cloud Services project. As a prime contractor on this project, A&T provided AWS IaaS, PaaS, and the security ATO that contributed to project’s success.

Interested in learning more? Contact us at:

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Cloud Solutions Integrator

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# Big Data Solution

**Databricks**, the company whose founders originally created the leading big-data tool, **Apache Spark**, has teamed with A&T Systems, an AWS government-competency reseller, to create a seamless cloud platform on which to address all big-data goals and challenges. A&T will design, architect, and implement the cloud solution and then provide on-going managed services to make Databricks tools available to users.

## The Challenges We Solve

Data is spread out across the organization in disparate silos, and the use cases to create value from data are becoming more sophisticated. As the volume and complexity of data grow, the problem is only worsening—creating the need to deliver insights faster. Moreover, the ability of teams to prototype and operationalize data-driven solutions is also hindered by fragmented systems and tools, each with limited capabilities, as well as the inability to easily leverage more data science to make smarter decisions.

## What is the Databricks Unified Analytics Platform?

### Databricks Benefits

**Acceleration of ETL:** Makes your data stores accessible to anyone in the organization and enables your teams to **query the data directly through a simple-to-use interface** without cumbersome ETL / ELT processes. The virtual analytics platform democratizes data access by uncoupling storage from compute and providing infinite scalability, to increase agility and better cost management. With Databricks, you can always get the resources to analyze your data by just scaling up the compute resource in a short burst.

**Zero Management Apache Spark:** Enables your teams to provision highly available and performance-optimized Spark clusters in a self-service fashion, allowing everyone to build and deploy advanced analytics applications with no DevOps expertise. With Databricks, your team will always have access to the latest Spark features so you can leverage the latest innovation from the open source community and focus on your core mission instead of managing infrastructure. Databricks also offers **monitoring and recovery mechanisms that automatically recover clusters from failures without any manual intervention**. With Databricks your infrastructure will be fast and secure without any custom work in Spark.

**Agile Data Science:** Databricks provides an integrated workspace that fosters collaboration through a multi-user environment that allows your team to build new machine learning and streaming applications on top of Spark. Through an interactive notebook environment, you can also **create dashboards and interactive reports—allowing everyone to visualize results in real-time**, train and tune machine learning models, or easily use any Spark libraries to process data. The integrated workspace helps developers and data scientists reproduce analysis more easily, reuse more code, and simplify the entire workflow.

**Data Security:** Federal clients have the most rigorous standards for security and compliance. Databricks provides Role-Based Access Controls, full auditing and logging, SAML-based authentication, and the security controls to achieve the most demanding Government security certifications. Databricks meets all requirements of Intelligence Community Directive 503 (ICD-503) and has been authorized to operate at HHS, DHS, and many other Federal agencies.

**About Databricks:** Databricks was founded in 2013 by the creators of Apache Spark™. Databricks grew out of the AMPLab project at University of California, Berkeley that was involved in the creation of Apache Spark, a distributed computing framework. Databricks, venture-backed by Andreessen Horowitz, NEA and In-Q-Tel, among others, has a Federal customer base that includes the Intelligence Community, Department of Homeland Security, and Health and Human Services. **Databricks is fast becoming the big-data platform**, replacing HADOOP. Users are applying its products to big data, machine learning, data warehouse projects, and Extract, Transform, and Load (ETL) challenges.

