Simplifying Data + AI so federal agencies can deliver better public services to citizens

Building a smarter and more innovative Federal Government starts by unlocking the power of data analytics and machine learning. Recent executive mandates from the IT Modernization Act to the Federal Data Strategy and AI Executive Order, have laid the blueprint for federal agencies to modernize their data analytics capabilities to deliver on their mission outcomes faster while providing a better citizen experience.

Leading federal agencies power innovation with Databricks

U.S. Citizenship and Immigration Services

U.S. AIR FORCE

CMS CENTERS FOR MEDICARE & MEDICAID SERVICES

USCIS: Streamlining visa and naturalization efforts by accelerating the processing of 40+ million applications

U.S. Air Force: Reduced aircraft downtime by predicting maintenance needs with deep learning on flight data
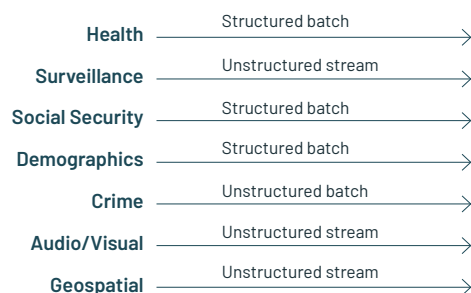
CMS: Built a scalable data lake in the cloud for population health statistics and advanced analytics like fraud detection

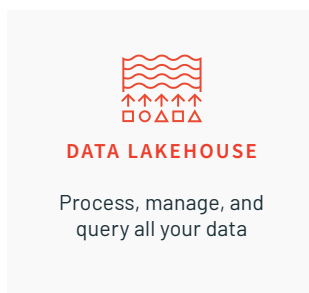## Unlock the value of data lakes for BI and ML

Databricks provides a secure lakehouse platform in the cloud that helps federal agencies democratize data for downstream analytics and AI to better protect and serve its citizens.

With complete AWS accreditation, Databricks runs across all regions including GovCloud, SC2S, C2S, and commercial; all networks including public, NIPR, SIPR, and JWICS; and ATOs including FISMA, IL5, IL6, ICD 503 INT-A and INT-B.

All your government data

Health	Structured batch →
Surveillance	Unstructured stream →
Social Security	Structured batch →
Demographics	Structured batch →
Crime	Unstructured batch →
Audio/Visual	Unstructured stream →
Geospatial	Unstructured stream →

Reliable, real-time processing

DATA LAKEHOUSE

Process, manage, and query all your data

Analytics capabilities for every use case

→ **AD HOC DATA SCIENCE**

→ **PRODUCTION MACHINE LEARNING**

→ **BI REPORTING AND SCORECARDING**

DATA CHALLENGE	THE DATABRICKS LAKEHOUSE FOR FEDERAL GOVERNMENT
DATA INGEST: Processing batch and streaming data can be slow and error-prone, impacting downstream analytics.	Process structured or unstructured data, whether batch or streaming, for comprehensive analytics on all your data
DATA LAKE MANAGEMENT: Data silos can limit ability to gain a complete view of the customer.	Easily handle large volumes of data from multiple sources (business applications, geospatial, census, IP traffic, machine logs, etc) built on a strong privacy foundation
DATA QUERY: Fragmented, siloed and inconsistent data sources for BI and data science.	From AI to BI, rapidly and inexpensive analyze, manage and model all your data in a single platform

Databricks customers in the federal government

Use Cases

Across the federal government, data and AI is providing the insights and predictive capabilities to thwart cyberattacks and national threats, provide better social services more efficiently, and Improve the delivery and quality of healthcare services.

Homeland Security

Detect and prevent criminal activities and national threats with real-time analytics and data-driven decision-making.

- Customs and border protection
- Immigration and citizenship
- Counter-terrorism
- Federal emergency aid management

Defense

Apply the power of predictive analytics to geospatial, IoT and surveillance data to improve operations and protect the nation.

- Logistics
- Predictive maintenance
- Surveillance and reconnaissance
- Law enforcement and readiness

Healthcare

Improve the delivery and quality of healthcare services required of our citizens with powerful analytics and a 360° view of your citizens.

- Patient 360
- Population health
- Supply chain optimization
- Insurance management
- Genomics
- Drug discovery and delivery

Energy

Improve energy management with data insights that ensure energy resiliency and sustainability.

- Security of energy infrastructure
- Smarter energy management
- Energy exploration
- Electrical grid reliability

Commerce

Proactively detect anomalies with machine learning to mitigate risk and prevent fraudulent activity.

- Tax fraud and collection
- Process and operations management
- Grants management
- Customer 360

Intelligence Community

Leverage real-time insights to make informed decisions that can impact the safety of our citizens and the world.

- Threat detection
- Neutralize cyber attacks
- Intelligence surveillance & reconnaissance
- Social media analytics

The Databricks Impact

Databricks helps companies automate infrastructure management, increase ETL performance at scale, and accelerate machine learning and analytics initiatives.

12x faster
ETL pipelines

Impact: Faster time-to-market for new analytics insights and models

+25%
gain in productivity

Impact: More productive data scientists result in more AI innovation

+47%
overall cost savings

Impact: Lower infrastructure costs boost operational margins

To learn more, visit us at **dbricks.co/federal**

databricks