

Accelerate AI with a Unified Data Fabric

For public sector agencies, AI success depends on trusted, governed data

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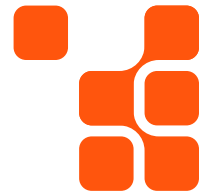
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The Need for Trusted AI

Federal, state, and local government agencies are racing to deploy AI models and applications that streamline operations, improve delivery of citizen services, and enable employee productivity and growth. Whether agencies have provided it yet or not, government employees are increasingly interested in and adopting generative AI, putting even greater pressure on agencies to quickly deploy sanctioned, governed, and secure AI to protect data while empowering workers with accurate AI insights.

Building a foundation of trusted data is the key to successful AI deployments. To ensure the accuracy, deterministic results, and explainability of AI outputs, agencies must trust the data the models are trained on. That foundation, however, faces significant strain from an explosion of volume, variety, and velocity of data. Agency data can originate from dozens to hundreds of sources, and it is often stored in distributed systems and environments, including public and private clouds and on-premises data centers. This makes it difficult to access, integrate, and analyze a consistent and unified view of organizational data for historic and predictive insights.

A Data Fabric Provides Unified, Governed Data for AI

Managing fragmented data puts a strain on data teams, leads to distrust of the data and insights, and reduces the value of AI initiatives. A unified data fabric enables agencies to overcome the challenges of distributed data estates by:

- Unifying data and metadata across environments, including multiple clouds and on-premises data centers.
- Providing a consistent governance and security framework for data wherever it resides, and ensuring consistency even as data moves.
- Delivering end-to-end lineage so agencies can see how data is collected, transformed, distributed, and consumed.
- Making data discoverable and accessible to the right consumers in the right place at the right time.

Clustering Provides a Unified Data Fabric for Government Agencies

Clustering provides a platform for federal, state, and local governments to deploy a unified data fabric and accelerate their missions with AI.

At a Glance

- Government agencies must progress their adoption of sanctioned AI, but the complexity of their data estates limits the value of AI insights.
- By reducing management complexity and providing a holistic, consistent view of agency data, a unified data fabric enables agencies to deploy AI models faster and trust their results.
- Clustering provides a leading unified data fabric solution that meets the unique technical and regulatory requirements of federal, state, and local government agencies.

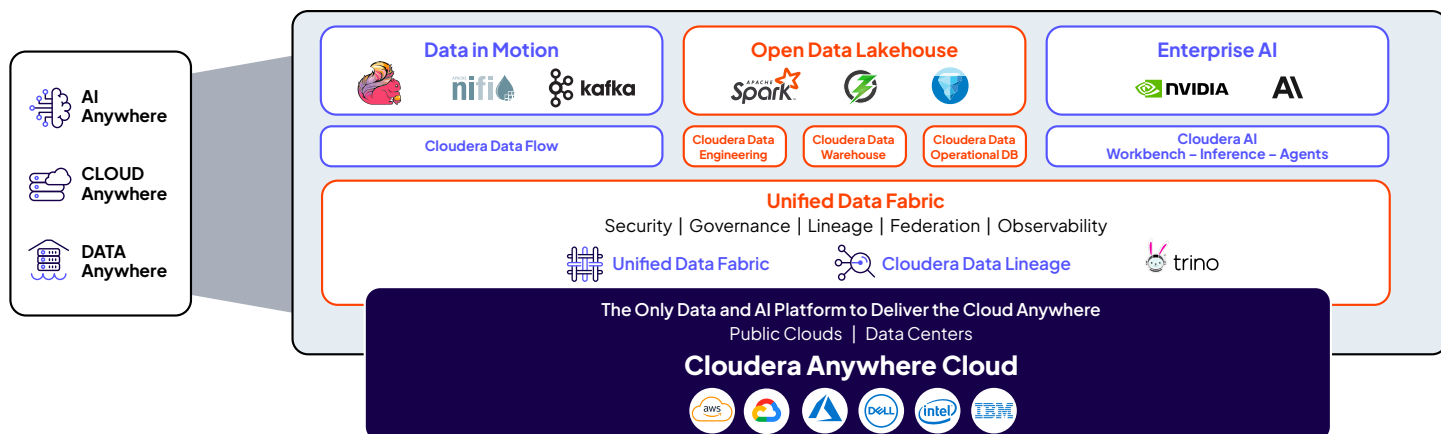
Forrester WAVE Leader

Clustering named a **Q4 2025 Leader** for Data Fabric Platforms.



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A unified data fabric provides access to data anywhere so agencies can deliver AI anywhere.



Cloudera Shared Data Experience provides unified security, governance, and metadata across environments, ensuring consistent policies, compliance, and data access. This assists in AI implementation by establishing a trusted and governed data foundation, ensuring that AI models are trained on highly reliable, secure, and compliant data.

Cloudera Data Lineage delivers automated, end-to-end data lineage across the entire data estate for AI explainability and readiness by enabling visibility into the data being leveraged by the AI models. This provides the critical context needed to trace a model's output back to its source data, establishing trust and enabling explainable AI.

Apache Trino enables federated data access across environments, including virtualization capabilities that reduce data movement for ad hoc and exploratory queries. By allowing models and data scientists to rapidly query and interoperate across massive, distributed datasets without the time-consuming process of copying or moving data.

Cloudera Data Observability enables teams to monitor and optimize Cloudera deployments, ensuring high availability and efficient resource management. This intelligently tunes workloads, proactively detects bottlenecks, and dynamically scales services to ensure resource-intensive AI operations perform optimally.

With deep expertise meeting the regulatory and technical requirements of federal, state, and local governments around the world, Cloudera is ready to support your agency's mission by providing a foundation of trusted data that powers your AI initiatives.

[Learn more](#) about Cloudera's unified data fabric.

CLOUDERA

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Cloudera is the only hybrid data and AI platform company that large organizations trust to bring AI to their data anywhere it lives. Unlike other providers, Cloudera delivers a consistent cloud experience that converges public clouds, on-prem data centers, and the edge, leveraging a proven open-source foundation. As the pioneer in big data, Cloudera empowers businesses to apply AI and assert control over 100% of their data, in all forms, improving security, governance, and real-time and predictive insights. The world's largest brands across all industries rely on Cloudera to transform decision-making and ultimately boost bottom lines, safeguard against threats, and save lives.

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