

CLOUDERA



EBOOK

Discover the full potential of your data with Cloudera and AWS

Learn how Cloudera can help
you achieve seamless hybrid
data management on AWS
and drive innovation



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Pave the way for more innovation



In the race for AI and analytics, the cloud will help you win

Your technology landscape is constantly evolving. With artificial intelligence (AI) and real-time analytics on the rise, today's infrastructure must adapt to support tomorrow's needs. The cloud makes that possible. Cloud scalability and elasticity allow businesses to stay agile and respond to evolving market demands with confidence and efficiency. And cloud adoption will only increase. Gartner predicts the use of AI technologies will continue to amplify the role of the cloud in supporting business outcomes.

While the cloud offers undeniable benefits, the challenge for many businesses is establishing a unified data platform that connects both on-premises and cloud-based data assets. Without this platform, siloed data or poor governance often stand in the way of AI use cases and real-time analytics.

In this ebook, you'll discover how using Cloudera on AWS can help you achieve faster time to insights with a platform that brings all your data together. You'll learn more about the benefits of migrating to AWS and how Cloudera is well-equipped to help you maximize your cloud investments.



The use of AI technologies in IT and business operations is unabatedly accelerating the role of cloud computing in supporting business operations and outcomes.”

[Learn more from Gartner](#)

Maximize agility and control with Cloudera on AWS

Futureproof your data strategy with a flexible deployment model

Whether bursting to the cloud for additional capacity or modernizing legacy systems, Cloudera on AWS helps you futureproof your data strategy. Experience the best of both worlds: control and governance of your on-premises environments with the scalability and innovation of the cloud.

With Cloudera's hybrid architecture, you can extend existing workloads to AWS without complex rewrites or disruptions, ensuring a seamless transition. Existing Cloudera customers can easily transition workloads to AWS, taking advantage of elastic scalability

to handle sudden demands—such as seasonal spikes or new analytics initiatives—without over-provisioning on-premises resources. This flexible deployment model ensures that critical applications remain operational and compliant, whether they're running in private data centers, on AWS, or across both environments simultaneously.

Cloudera on AWS delivers the control you need plus the agility to meet dynamic business needs. Maintaining consistent governance, security policies, and unified data management across all your deployments helps eliminate data silos and reduce operational complexity.

One platform, limitless possibilities

Complete

All functions needed to ingest, transform, query, optimize, and make predictions from data are available, eliminating the need for point products.

Integrated

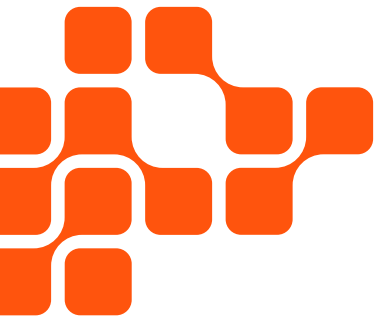
Unified analytic functions work together, eliminating data silos and copies of data.

Consistent

Security and governance policies are set once and applied across all data and workloads.

Portable

Policies stay with the data even as it moves across all supported infrastructures.



Experience the most comprehensive cloud platform

Get a head start on innovation by migrating to AWS

Cloudera on AWS helps organizations get more value from their data in the cloud. Once running on AWS, access to native AWS services such as analytics, machine learning, and scalable storage allows your teams to innovate faster and derive deeper insights from their data. As the world's most comprehensive and broadly adopted cloud, AWS offers organizations more than 200 fully featured services. It's the destination for enterprises and startups alike to innovate and gain business agility.

Key benefits of AWS

Cost savings

Enjoy reduced costs, simplified management, and ease of use while only paying for what you need.

Improved operational resilience

Increase service availability and reliability, gaining the ability to respond to rapidly changing levels of demand.

Scalability and high performance

Scale your application up or down, as needed, without worrying about provisioning underlying infrastructure—all while maintaining high performance.

Innovative services

Integrate with more than 200 native AWS services, including generative AI, machine learning, analytics, and storage.

Comprehensive security and compliance

Strengthen your security posture with comprehensive, industry-leading security and compliance controls.

Accelerated time to value

Follow proven migration paths, speeding time to value. Use the global cloud infrastructure of AWS to access new markets and buyers around the world.

Migrating to AWS delivers*

20%
reduction in
infrastructure costs

66%
increase in administrator
productivity

43%
faster time to market
for new features

29%
increase in staff focus
on innovation

45%
fewer security-related
incidents

* "The Business Value of Migration to Amazon Web Services," The Hackett Group, 2022.

Partner with Cloudera for your migration

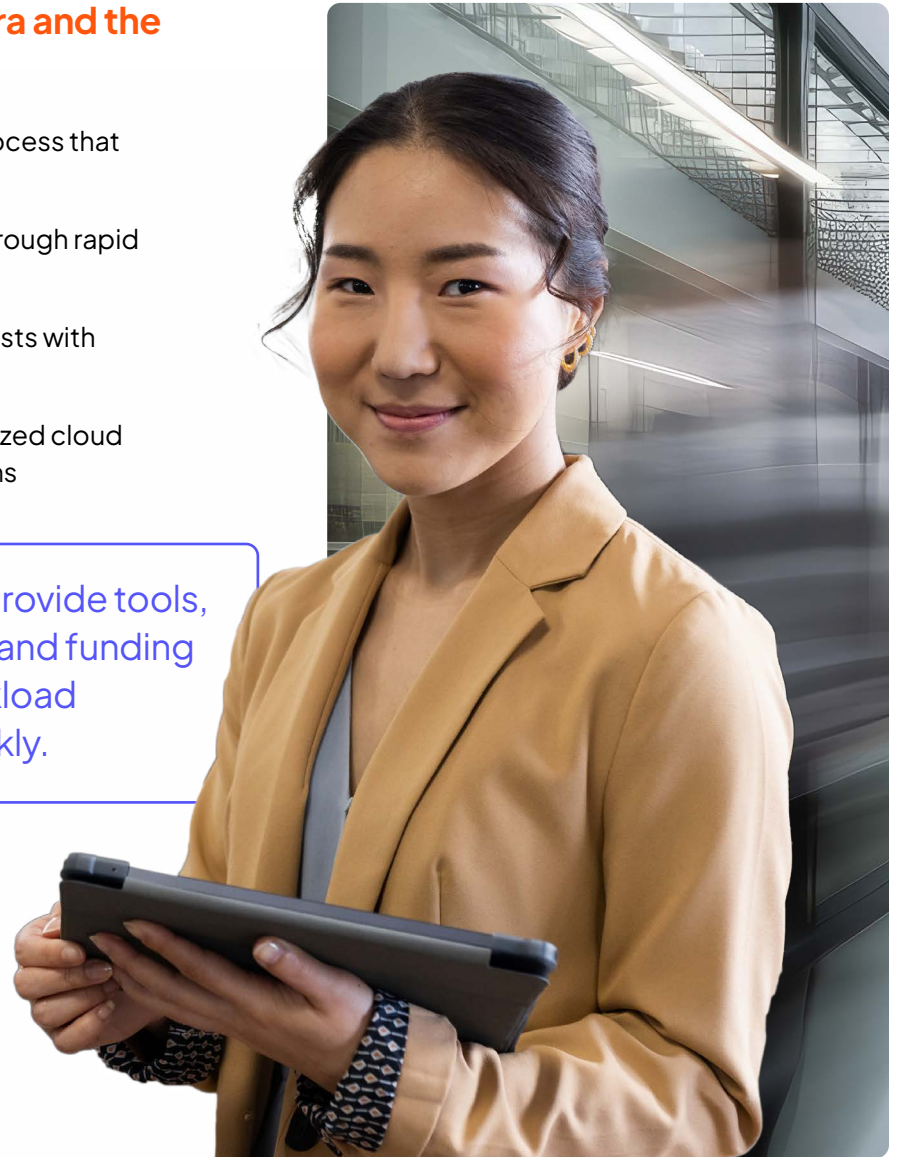
Start your migration today with Cloudera and the AWS ISV Workload Migration Program

To streamline your cloud migration, it's important to have proper support and guidance when you need it. Work with Cloudera and follow a proven migration path to accelerate your journey to AWS and achieve the benefits of the cloud faster. Cloudera is part of the AWS ISV Workload Migration Program (WMP), which helps customers migrate to AWS. By working in tandem with your in-house IT teams, Cloudera can help drive a smooth and efficient cloud transition.

Together, Cloudera and the WMP deliver

- A proven migration process that mitigates risk
- Faster time to value through rapid cloud adoption
- Reduced migration costs with AWS funding
- Post-migration optimized cloud security and operations

WMP partners provide tools, best practices, and funding to support workload migrations quickly.



Follow a proven methodology

Cloudera is ready to help you maximize AWS and streamline your migration

With Cloudera's collaborative migration framework and access to the WMP, you can reduce costs, mitigate risks, and unlock new opportunities for growth by migrating workloads to AWS. Cloudera offers a streamlined migration approach, specifically designed to meet the needs of enterprises transitioning from on-premises environments to a hybrid or cloud-based model on AWS. With a deep understanding of existing Cloudera workloads, this proven methodology minimizes risk and accelerates time to value.

01 Assess your environments
The migration process begins with an in-depth assessment of your current environment using tools like Cloudera's Migration Assistant and Upgrade Advisor. These tools evaluate cluster configurations, workloads, and data dependencies, providing a clear path for migration.

02 Identify optimal workloads
Our team works with you to identify optimal workloads for the cloud, whether shifting entire workloads or leveraging cloud bursting for temporary capacity increases during high-demand periods.

03 Transfer data
Cloudera's automated data replication tools ensure smooth data transfer between on-premises and cloud environments, preserving the integrity and security of your data throughout the process.

Once migrated, Cloudera on AWS enables advanced data analytics and AI workloads, leveraging the full power of AWS services while maintaining centralized governance across environments. This hybrid approach ensures that your business can scale dynamically and securely while meeting both operational and compliance requirements.



Case study: Taking data access and governance into orbit



Eutelsat Group achieves an out-of-this-world data lakehouse

Challenge: Aiming for a scalable lakehouse architecture

Eutelsat Group, a satellite operator based in Paris, provides cutting-edge technology that fuels connectivity across the globe. Following a merger with OneWeb, Eutelsat Group needed to bring all its data assets together in an open data lakehouse to continue delivering the same level of service to customers. Eutelsat Group generates hundreds of gigabytes of data per day, so it required a platform that would scale with its needs, but also ensure compliance across all the countries in which it operates.



Solution: Unlocking the value of data with Cloudera on AWS

Using Cloudera on AWS, Eutelsat Group gained the scale it needed to unlock more value from its data. Eutelsat was already using Cloudera as its on-premises data management platform, so when it needed to move to the cloud and create a distributed data ecosystem, Cloudera on AWS was the ideal solution. The cloud migration took six months and now Cloudera provides a centralized open data lakehouse.

Outcome: Gaining real-time insights and a platform for AI innovation

Eutelsat Group can now monitor performance data from its network of satellites in real time and collect more than 50 million data points from end users every day. Such insight is invaluable as it empowers Eutelsat Group to always maintain the highest levels of service delivery. Since bandwidth is a finite resource, using it efficiently is a critical task for satellite telecommunications companies. By using Cloudera on AWS to collect and analyze data from its satellite internet users, Eutelsat Group's Network Operation Center can better anticipate and proactively address network congestion, thereby preventing disruptions.



Cloudera provides us with the flexibility to adopt a hybrid cloud approach, depending on different regulatory or technical requirements.”

Ciro Milite
Director of Data & Digital Services
Management, Eutelsat Group

[Read the full case study](#)

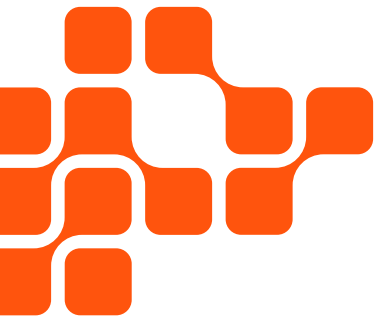
Start your journey today

A cloud-based architecture on AWS is closer than you think.

Through the WMP, Cloudera and AWS can simplify your migration process and reduce costs while moving your on-premises workloads to the cloud.

5-day free trial

- [Contact Cloudera](#)
- [Start your free trial today](#)



About Cloudera

Cloudera is the only true hybrid platform for data, analytics, and AI. With 100x more data under management than other cloud-only vendors, Cloudera empowers global enterprises to transform data of all types, on any public or private cloud, into valuable, trusted insights. Our open data lakehouse delivers scalable and secure data management with portable cloud-native analytics, enabling customers to bring GenAI models to their data while maintaining privacy and ensuring responsible, reliable AI deployments. The world's largest brands in financial services, insurance, media, manufacturing, and government rely on Cloudera to use their data to solve what seemed impossible—today and in the future.

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To learn more, check out these Cloudera resources

- [Find Cloudera in AWS Marketplace](#) ›
- [Learn about Cloudera on AWS](#) ›
- [Check out the Cloudera and AWS solution brief](#) ›

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