

The All-In-One Data Lakehouse: Reduce Time, Reduce Risk, Reduce Cost

CDP ONE

CDP ONE FIRSTS

CDP One is built with the same Cludera technology that was rated better for analytic and operational use cases by leading industry analysts than the point product vendors or point services from hyperscalers. CDP One also provides a number of 'firsts', including:

- First data lakehouse SaaS offering with cloud compute, cloud storage, ML, streaming analytics and enterprise grade security built-in.
- Zero Ops functionality that enables fast and easy self-service analytics on any type of data without the need for specialized ops or cloud expertise.
- Only data platform with built in capability to ingest data from on-prem to the cloud.

BUSINESS RESPONSIVENESS AND AGILITY

CDP One drives business agility and responsiveness by allowing organizations to think business first and data management second by providing a single platform for end-to-end data workflows.

- Security
- Ingestion
- Preparation
- Analysis
- Prediction

CDP One is an all-in-one data lakehouse software as a service (SaaS) offering that enables fast and easy self-service analytics and exploratory data science on any type of data.

Designed to make both data practitioners and expert developers more productive, CDP One enables companies to achieve faster time to business insights that drives innovation to stay ahead of the competition. It is a simple yet powerful cloud service with built-in enterprise security and machine learning (ML) that requires zero cloud, security, or monitoring operations staff for a dramatically lower TCO and reduced risk.

Single Platform for End-to-End Workflows

A typical data management and ML platform has numerous disparate interfaces for managing data at every step of the process. Each has its own security model that impacts only a small portion of the overall workflow. There are often multiple interfaces; one for adding new data connections, another to build out data transformations, and yet others for productionizing workflows and managing security. Add in data governance and machine learning/AI and you have a mess of systems that are not linked together.

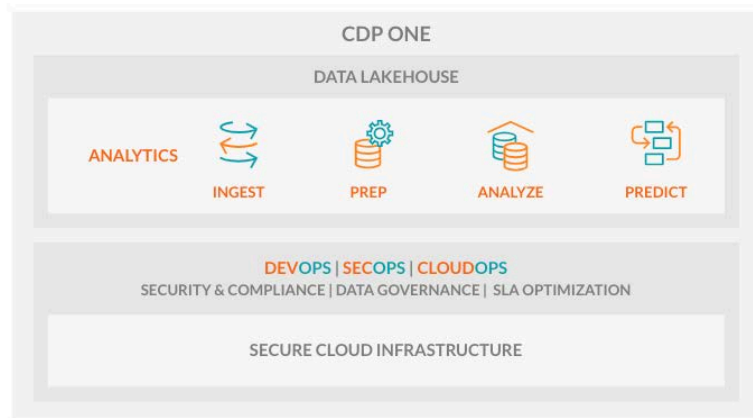
CDP One puts this all under a single UI that allows the end user to manage every step of the process from one place. This reduces system complexity, simplifying a process that accelerates time to insights.

Readily Accessible Data Ingestion and Analytics

Scarce resources, exponential data growth, and a distributed workforce are only speedbumps not showstoppers if your data strategy is built on a foundation designed for unmatched freedom to choose—any source, any analytics, any data. CDP One facilitates an environment that enables more people to use more varieties of data and more easily perform analytics.

Whereas data is becoming foundational to a company's growth, machine learning, AI, visualization, and analytics are what drive prodigious value by identifying new ideas, acquiring new clients, optimizing the business, and an infinitude of other means.

Because CDP One is the first data lakehouse SaaS that offers cloud compute, cloud storage, ML, streaming analytics, and enterprise grade security built-in, your teams will be able to leverage fast and easy self-service analytics on any type of data specialized ops or cloud expertise.



PRODUCTIVITY IMPROVEMENTS

The trade-off between enabling developer agility and having to navigate, orchestrate, and monitor a highly complex architecture is important to recognise and address.

CDP One solves that problem with integrated capabilities such as:

- Zero downtime upgrades.
- Automated infrastructure provisioning.
- Fully managed environment configuration and monitoring.

With that, you won't have to worry about rightsizing cloud compute instances for your workloads. This removes recurring operational overhead and eases administrative burdens on IT staff.

About Cloudera

At Cloudera, we believe that data can make what is impossible today, possible tomorrow. We empower people to transform complex data into clear and actionable insights. Cloudera delivers an enterprise data cloud for any data, anywhere, from the Edge to AI. Powered by the relentless innovation of the open source community, Cloudera advances digital transformation for the world's largest enterprises.

Learn more at: cloudera.com

Take Ops to Zero

Zero Ops can be a significant reduction in costs because it allows the firm to rebalance their workforce and align it closer to the business. What this means is that there are far fewer resources and budgets spent on keeping the business running and more on generating revenue. Zero Ops can help deliver better client experiences while effectively being self-funding.

In a typical firm, Zero Ops is a very aspirational term but CDP One has been able to effectuate this because all the monitoring, security, and cloud ops are built into one package. It also comes with capabilities such as zero downtime upgrades, automated infrastructure provisioning, and fully managed environment configuration and monitoring.

CDP one provides comprehensive CloudOps, DevOps and SecOps, including:

- Environment Monitoring & Optimization (Cost, SLAs, etc)
- Compliance and Audit Management
- End-to-end Integration between Cloud, On-prem and 3rd party apps
- Environment Security Configuration & Operations
- Cloud Configuration & Management
Infrastructure Provisioning

Not having to worry about rightsizing cloud compute instances for workloads, for example, removes recurring operational overhead and eases administrative burdens on IT staff. This frees up analysts, data scientists, and business users to focus on analytics and not on infrastructure and operations.

Unlock Substantial TCO Savings

CDP One provides a better fiscal picture due to its integrated, out of the box, and fully managed cloud native data services. When employing CDP One, all cloud, security, and monitoring operations are included for dramatically lower TCO, reduced risk, and faster time to insights.

CDP One drives economies of scale that provide 20%-35% TCO savings on average as compared to 'platform-as-a-service' or legacy on prem deployments. This is done through architectural simplification, reduced DevOps overhead, and reduction in technical debt. It can also avoid additional software licensing costs by not requiring custom and third party capabilities. CDP One also provides automated workload and infrastructure rightsizing with ongoing support and continuous upgrades and improvement.

Secure by Design

CDP One's unique security enables safe and compliant self-service access to data and analytics at lower cost and reduced risk. All aspects of security are covered including:

- Network and perimeter security.
Secure single tenant cloud infrastructure.
- Establish information assets for increased usability, trust and value leveraging all metadata.
- Granular, dynamic, role and attribute-based security policies.
- Encryption through Kerberos backed authentication and strong cryptography.
- Move data and workloads between deployments easily.
- Enterprise-grade auditing, lineage, and governance capabilities applied across the platform.

Take the Next Step

If you're ready to try CDP One or want to see it in action, visit cloudera.com/cdp-one.