

# Faster analytics, stronger security, easier compliance & hybrid ready

## CDP PRIVATE CLOUD BASE EDITION

### Value at a Glance

- Accelerated time to value with 2x faster analytics
- Better infosec compliance from a 100-fold reduction in CVEs
- Reduced infrastructure costs through 20% higher resource utilization
- More cost effective storage with 5x higher storage density
- Simplified regulatory compliance with powerful governance

### CDP Private Cloud Base

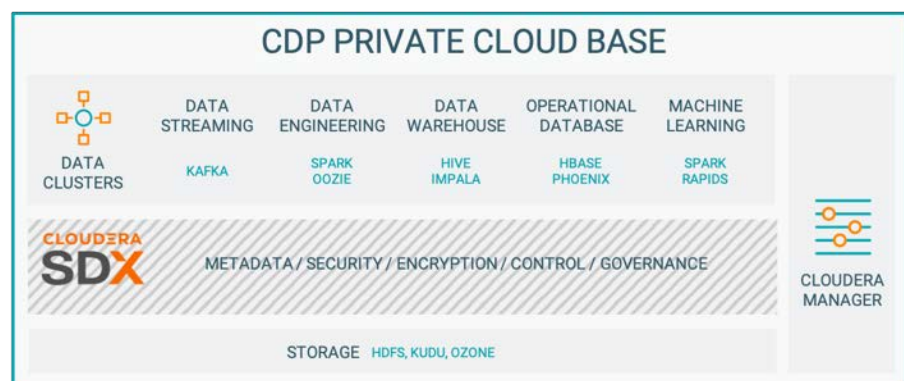
- Best of CDH & HDP, with added analytic and platform features
- The storage layer for CDP Private Cloud, including object storage
- Cloudera SDX for consistent security and governance across the platform
- Traditional data clusters for workloads not ready for cloud

### Gateway to Hybrid Cloud

With SDX ensuring consistent data security and governance across all infrastructures, CDP Private Cloud Base houses traditional workloads and data on-premises, while opening the door to self-service private and public cloud analytic experiences.

Cloudera Data Platform (CDP) Private Cloud Base is the foundation of Cloudera's modern, on-premises data and analytics platform. It delivers faster analytics, improved hardware utilization, increased storage density, and better platform security and governance for regulatory compliance than any previous Cloudera EDH or Hortonworks HDP platform.

CDP Private Cloud Base offers the complete range of analytics to power the data lifecycle, from the edge to AI - Data Streaming, Data Engineering, Data Warehousing, Operational Database and Machine Learning.



What's more, CDP Private Cloud Base introduces new on-premises object storage, powered by Apache Ozone. It also includes the latest Cloudera Shared Data Experience (SDX), strengthening data security and simplifying governance for workloads across the data lifecycle.

Upgrading previous Cloudera platforms to CDP Private Cloud Base not only unlocks workload flexibility and scalability for private and hybrid cloud, it also delivers direct business impact and value through new features, enhanced security, and better performance.

### 2x Faster Analytics

By integrating the latest versions of key platform engines, faster analytics reduce the time to value for more business use cases while also ensuring improved end user experience.

- Apache Impala - 2x - 7x faster
- Apache Hive - 2x faster
- Apache Spark - 2x faster
- Apache HBase - 15 - 20% faster

### 100-Fold Reduction in CVEs

Through support for newer database versions, operating systems, and JDKs as well as through upgrade or replacement of legacy third party libraries, the number of Common Vulnerabilities and Exposures (CVEs) has been reduced by a factor of 100 compared to previous versions and platforms. FIPS compliance further contributes to stronger infosec compliance.

### Better Customer Service AND \$650k Annual Savings

A global information technology company achieved \$650k in annual cost savings by modernizing 900+ nodes to CDP Private Cloud Base and eliminating legacy point solutions. The organization is now able to meet SLA requirements, improve data relevance to drive deeper insight and reduce business risk through high availability and cross data center data replication globally. The impact is seen through optimized infrastructure spend and improved scalability as well as better customer service and greater freedom to experiment and deliver new use cases and value.

### 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](https://cloudera.com)

### 20% Higher Resource Utilization

Performance improvements contribute to more efficient infrastructure utilization, extending the useful life of hardware and providing a faster return on investment. Cluster management is also made more efficient: a single Cloudera Manager instance handles all clusters, eliminating the need for an individual management node to support each cluster and orchestrate interactions between them. Intelligent resource scheduling and monitoring lets organizations squeeze more from their resources, leading to vastly improved cost optimization.

### 5x Higher Storage Density

By including Apache Ozone, 5x more data can be packed on the same raw storage. Ozone also delivers vastly improved scalability and handling of small files compared to HDFS. The result is a smaller data center footprint for data storage that's future proof and geared to long term growth.

### Simplified Regulatory Compliance

CDP Private Cloud Base includes the most powerful Cloudera SDX with these new capabilities:

- **Deny by default** - restricting access to new data until specifically granted
- **Least privilege** - granting data access to the smallest subset of data needed to do the job (down to row and column level)
- **Tag-based policies** - delivering scalable policy enforcement for any data volume with role- and attribute-based access controls
- **Scalable audit** - providing with finer-grained, more scalable and broadly enforced controls
- **Consistent enforcement** - across all data consumers on all infrastructures

### Foundation for Cloud-Native Analytic Services

CDP Private Cloud Base is the true basis from which organizations can extend their data and analytics to the cloud, regardless of whether public, private or hybrid. For organizations looking to leverage their data center, CDP Private Cloud provides cloud-native analytics on-premises that range from Data Engineering to Data Warehousing and Machine Learning, with CDP Private Cloud Base delivering the massive, scalable storage.

Alternatively as well as additionally, businesses can add a further degree of flexibility by deploying the same analytics through CDP Public Cloud. Whichever the choice - public, private or hybrid cloud - with SDX providing consistent security and governance for data and analytics across hybrid cloud, organizations can always have the optimal mix of infrastructures to meet their ever changing business needs.

### Next steps

CDP Private Cloud Base empowers organizations to do more with their data and offers tremendous, immediate value; contact your Cloudera account manager for a personalized illustration of your savings compared to your current deployment. To start planning your modernization to CDP Private Cloud Base, Cloudera facilitates planning workshops, while Cloudera Professional Services delivers a host of services to guide you through the process.

Visit us on our website and learn more - [www.cloudera.com/products/cloudera-data-platform/cdp-private-cloud.html](https://www.cloudera.com/products/cloudera-data-platform/cdp-private-cloud.html)