

# Data discovery and analytics

## HPE Apollo 4000 with Cloudera Enterprise for Apache Hadoop

Increase agility, lower costs, and innovate faster with analytics tools ranging from ad hoc queries to machine learning algorithms

### Hadoop use cases

- **Enterprise data warehouse optimization**—Relieve extract/transform/load pressures, ingest more data, and support ad hoc queries
- **Self-service business intelligence**—Give users a variety of access tools while meeting compliance requirements
- **Analytics modernization**—Advanced high-performance tools for in-memory analytics, and machine-learning for customized user experiences



### Build your private cloud for Big Data

Organizations of all kinds are looking to mine growing collections of Big Data. They want to unlock insights that will allow them to streamline operations, reduce costs, and target products and services more effectively to customers. Leveraging the Apache Hadoop open source Big Data platform gives you fast, reliable analysis of both structured and unstructured data, at enterprise scale. An open source, Linux®-based platform for data storage and processing, Apache Hadoop is massively scalable, highly fault tolerant, and truly distributed. Hadoop in a private cloud or on-premise solution helps you control costs and manage data confidentiality

and compliance. Apollo 4000 systems are purpose-built to lower the costs of Hadoop. This enables you to scale performance, capacity, or both, in a power-saving rack-dense chassis, with lower costs than similar deployments on general-purpose servers.

### Cloudera is your partner on the path to Big Data

Whether in a cloud or on-premise, Cloudera Enterprise helps you become information-driven by leveraging the best of the open source community with the enterprise capabilities you need to succeed with Apache Hadoop. Designed specifically for mission-critical environments,

Cloudera Enterprise includes CDH (Cloudera Distribution Hadoop), the world's most popular open source Hadoop-based platform. It also includes advanced system management and data management tools, plus dedicated support and community advocacy from our world-class team of Hadoop developers and experts.

Deploying Cloudera Enterprise for Hadoop on optimized Hewlett Packard Enterprise architecture gives you the compute power and storage required to respond flexibly to the demands of growing sets of Big Data.

## Rethink Big Data with HPE and Cloudera

With the introduction of the Apollo 4000 family of servers, HPE is helping you rethink the ways you deal with and leverage Big Data. This innovative family of servers is purpose-built for Big Data, with a unique focus on the scale, performance, and storage density Big Data requires.

### HPE Apollo 4200 Gen9 Server The enterprise bridge to Big Data solutions

The Apollo 4200 is the world's highest storage capacity 2U server, designed for standard-depth racks. With up to 28 LFF disks per node, it provides a low initial investment and easy scaling, one server at a time.

### HPE Apollo 4530 System Right-sized for Hadoop analytics

The HPE Apollo 4530 System is purpose-built for the wide variety of Big Data analytics workloads based on parallel Hadoop-based

data mining. This 4U, three-node system offers a one-to-one spindle ratio and the ability to easily store three replicas on a single chassis. It provides the performance and storage density you need to develop a 360-degree view of customers to improve marketing cost-effectiveness, boost online sales, and enhance customer retention and satisfaction.

Each node in the 4530 chassis has up to 120 TB of storage capacity—a total of 360 TB per chassis—providing building blocks for efficient implementations at scale with up to 30 servers and 3.6 PB of capacity in a 42U rack.<sup>1</sup>

## The support you need to succeed

HPE delivers a total solution through HPE Technology Consulting and Support Services and our partners' services, which include Cloudera Enterprise production support offered directly by Cloudera. In addition, HPE Technology Support Services delivers 24x7 global infrastructure support tailored to your specific requirements.

HPE offers a one- to three-day Big Data workshop for needs definition and use case analysis, to help you evaluate options. Hewlett Packard Enterprise also offers "Roadmap Service for Hadoop," to help you effectively plan for a successful implementation of Hadoop in your organization.

Learn more at  
[hpe.com/servers/bigdata](http://hpe.com/servers/bigdata)

<sup>1</sup> Based on 8 TB LFF drives



Sign up for updates

★ Rate this document

