

Turbocharge your Big Data journey

HPE As a Service Solution for Hadoop

Extract value from your Hadoop and Spark stack while taming their complexities; enable rapid analytics on a variety of large data sets and rapidly respond to business opportunities.

Insights

- Realize value from your Hadoop data lakes with Hadoop delivered as a Service, in multiple deployment options in the cloud and on premise.
- Leverage open source tools from Hadoop and Spark ecosystems to solve business problems.
- Rapidly discover insights, and develop and deploy analytic applications in a production-ready environment.
- Complement, modernize, and off-load your existing data warehouse and business intelligence platform, improving agility, performance, and costs.
- Consume and pay for only what you need; worry less about technology refreshes.



Put your data to work—fast

More data and information are being generated than ever before, and their business value has never been more important—or challenging—to distill. The sooner you can access that data, the faster you can make smart business decisions. But organizations such as yours are struggling to derive business value from the data, primarily because legacy data warehousing and analytics platforms don't deliver the necessary agility or scale.

Businesses need to be able to continuously load large data sets into their analytics platforms while enabling access to the variety and volumes of data for comprehensive analytics. Creating value out of combining and then analyzing the different data points can create the potential for automation and new revenue. Most of all, enterprises such as yours need:

- Rapid access to discovery environments for exploration of business insights
- Agility and flexibility to respond to rapidly changing business conditions with elastic consumption models

Offering overview

- Robust, secure, and well-managed production environments with service-level agreements (SLAs)
- A consumption-based pricing model to minimize capital expenditures and limit exposure

Get the solution you need

Leverage the open-source-based Hadoop software platform rapidly in the cloud in an operating expense (OPEX) as-a-Service model rather than an upfront capital expenditure (CAPEX) investment with HPE As a Service Solution for Hadoop. This production-ready package comes with industrial SLAs; incorporates the Hadoop software stack from major vendors—Hortonworks, Cloudera, and MapR; and is deployed on a cloud-based infrastructure within HPE Helion, Amazon AWS, and Microsoft® Azure virtual private cloud (VPC) or on premise. It also comprises a full suite of managed services and onboarding consulting.

With HPE As a Service Solution for Hadoop, you can consume the complex Hadoop stack, including analytic components, like the increasingly popular Spark, in a simple manner. By deploying it on standard reference architectures in the virtual private cloud, you get a solution that is optimized for speed, performance, storage, and an end-to-end managed service with SLAs. And, by delegating IT complexity to HPE, you can better focus on supporting the business. It is available in tiers depending on data volumes and performance expectations, and ranges from starter, to standard, and X-Large.

HPE As a Service Solution for Hadoop can seamlessly extend to add the HPE Vertica analytics database capability to handle large structured data sets in real time, and HPE IDOL to process all forms of unstructured data. It can also integrate with your existing analytic environments, such as SAP® HANA.

Hadoop software

Reap the benefits of a preconfigured Hadoop platform to speed up your time to insight, while gaining the ability to extend to other platforms and applications for your disparate data needs.

Infrastructure

Get a platform—based on a robust, secure, and scalable infrastructure—that can tackle the most complex Big Data use cases.

Managed services

Leverage the strength of HPE—the recognized market leader in managed services—to support SLAs in an as-a-Service model.

Cloud hosting

Review the available options, including HPE Helion, Amazon AWS, and Microsoft Azure. HPE is the only provider that owns and develops a complete set of services, software, and hardware to manage the cloud environment.

Flexible consumption model

Leverage all of the above in an OPEX, as-a-Service model, with the flexibility to expand to other preintegrated components of the HPE analytic platform, based on your business needs.

Know the details

Leveraging the Hadoop platform as a Service, your organization can discover insights and operationalize your analytics using agile data and analytic processes. Use HPE to deal with the IT complexity of deploying Hadoop in the cloud per SLAs, so you can focus on supporting business initiatives.

Fast track to analytics

Onboard to the enterprise-grade Hadoop platform in days; get business results in weeks. With HPE, you get a complete set of results from analytic discovery, with recommended production deployment solutions, investment estimates, and business justifications in less than eight weeks.

The right solution to the Hadoop problem

Implement your deployment option in the cloud or on premise to address diverse compute and storage needs. We provision platforms and on-board project teams for virtualized starter-tier or physical standard-tier environments in two to four weeks.

An end-to-end service

Get help integrating Hadoop into your IT landscape, onboarding users, and executing analytics. As a full service provider, HPE manages a variety of complex configurations, including reuse of existing data center connectivity and adding new connections.

Gain these benefits

Significantly reduce the time and cost of developing, deploying, and optimizing data and analytics workloads with HPE As a Service Solution for Hadoop. With this service, your IT organization can leave the deployment and management of the Hadoop platform to HPE, so they can focus on delivering business value. Work with HPE to:

- Ensure enterprise-grade Hadoop deployments with proven reference architectures; deployment options in the cloud, on premise, and hybrid; managed services; and SLAs
- Gain rapid business value through quick-use cases evaluation (discovery) and deployment (production)
- Enable new analytic applications for business differentiation with access to data not practically available before and the rich functionality of the new Hadoop platform-based ecosystem
- Improve productivity of your data and analytics talent by relying on HPE to manage the platform infrastructure
- Off-load existing data warehouse workload, improving performance without having to expand the footprint

See Hadoop in action

Examples of cases involving Hadoop platform service for clients in different industries around the world include:

- Retail and consumer packaged goods—Data Discovery platform, including a data lake, data hub with analytic workbench tools for multiple use cases and production deployment
- Banking—Data lake-based cross-line of business views through data integration and reporting on Hadoop; data warehouse off-loading and dramatics reporting cycle improvements; real-time analytics for ATM transactions
- Communications and media—Modernized mobile call data analytics (voice/data/SMS) platform leveraging HDFS/Hive, with internal Telco and external data sources; enabled data access times reduction, development of anti-fraud and churn preventions models
- Energy—Hadoop/Hive-based smart meter analytics (IoT) platform design for an electric utility, with reporting and dashboards; extensible for fraud and predictive maintenance analytics
- Manufacturing and automotive—A data lab to perform discovery on use cases such as reducing costs from warranty claims; enabled OEM to target repairs to a small customer base, reducing its warranty costs significantly

Let HPE see you through to success

- **Full-service enablement**—Gain accelerators such as compute and storage-oriented reference architectures, deployment and monitoring tools, and blueprints and runbooks that cover the initial setup, onboarding, and ongoing run with SLAs—the richest standardized package in the industry.
- **Easy and safe setup**—Onboard to the cloud with Amazon AWS, Microsoft Azure, or HPE Helion VPC. We make it uncomplicated and unintimidating, minimizing costly learning steps through a high-touch service approach, not widely available.

Offering overview

- **Integration and expansion options**—Get advice and implement hybrid production models with a range of options, including Helion VPC, on premise, and public cloud environments. Our breadth of expertise and methods provide options few competitors offer.
- **Best practices**—Leverage our analytic applications and data workload optimization best practices; we combine a long-term commitment to business intelligence and data management with access to a broad variety of real life cases.
- **Hadoop deployment expertise**—Engage with our proven expertise to manage Hadoop and related analytic technologies for your enterprise solutions. Working the full stack, we manage hardware development, Hadoop reference architecture, and Apache software through enterprise applications solutions.
- Standardized reference architectures certified with major Hadoop distributors—Cloudera, Hortonworks, MapR
- The only enterprise-grade, trusted Big Data solutions provider across hardware, software, and services with global scale
- 900+ analytics clients worldwide
- More than 3600 data management and analytics professionals working around the world

Move forward

Work with Hewlett Packard Enterprise to explore the Hadoop platform as a Service—attend a one-day workshop to evaluate your needs and develop a plan; start onboarding to the service or confirm your business use cases for deployment through our Big Data Discovery Experience or Data Discovery Lab implementation. All to get the analytics you need, from the data you have.

Work with an experienced provider

Leverage the power of a proven platform and related services from HPE:

- Pioneer in the setup and use of discovery environments for Big Data and analytics

Learn more at
hpe.com/us/en/services/consulting/big-data.html



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4AA5-5771ENW, May 2016, Rev. 3