Hortonworks Professional Services
Powered by Cloudwick

HDP PROFESSIONAL SERVICES POWERED BY CLOUDWICK

Turn to Cloudwick to Build, Operate and Manage Your HDP Data Lake

Cloudwick offers the highest level of expert insight and real-world experience to help you move your Hadoop cluster from proof of concept to production quickly, painlessly, and with optimal performance. Cloudwick provides hands-on support to design, prototype, deploy, secure, and optimize the HDP enterprise data lake from data ingestion through to development and cluster administrative scale-out. No one knows the Hadoop ecosystem better or has more expertise configuring, benchmarking, and deploying large-scale enterprise data lakes than Cloudwick.

Install
- Accelerate Pilot-to-Production HDP Cluster installation using Ambari for cluster configuration and management.
- Once HDP is installed, Cloudwick will tune cluster for high performance.

Ingest
- Cloudwick HDP developers are experts in enterprise data ingestion and ETL using MapReduce, Spark, Sqoop, Flume and other proprietary tools.
- Turn to Cloudwick to accelerate your EDW, log files and other data sources into your HDP data lake for storage and advanced data analytics and processing.

Security
- Cloudwick Security engineers will consult with you to identify the best security solutions using Kerberos, Knox and Ranger to meet your data security requirements.

Spark
- Cloudwick Spark Engineers are certified by Databricks to provide industry leading HDP installation, integration and managed services.

Insight
- Cloudwick Insight for HDP is the industry-leading YARN performance tuning assessment service using Pepperdata to gain insight into the use of CPU, memory, disk I/O, and network for every job and task, by user or group, in real time.

Staffing
- Partner with Cloudwick for complete end-to-end HDP and Spark administrator, developer and data scientist staffing. Cloudwick HDP professionals build, operate and manage leading data-driven enterprises.

Expert
- Utilize Cloudwick Expert for remote administrative support of your HDP pilot and production clusters, with your choice of SLA option.

Manage
- Utilize Cloudwick Manage for dedicated onsite or remote administrative support of your HDP pilot and production clusters.

Cloud
- Turn to Cloudwick to architect, install, tune and manage your enterprise HDP Cloud cluster.

PM
- With more than 100 Enterprise Big Data clusters successfully engineered for leading data-driven enterprises, Cloudwick has built industry-leading HDP playbooks, resulting in faster-time-to-production.

Cloudwick

CLOUDWICK
- 125+ data engineering developers and data scientists
- 200,000+ production hours with Global 1000 big data clusters
- Over 5 years experience building, monitoring and managing clusters
- Flexible and responsive

HDP VERTICAL USE CASES

ADVERTISING
Bring "new" data under analysis

FINANCIAL
Mitigate risk while creating opportunity

TELECOM
Turn storage liabilities into strategic information assets

RETAIL
Dramatically reduce the cost of capturing, ingesting, storing and analyzing data

MANUFACTURING
Use real-time sensor and machine data to quickly identify problems and improve quality

HEALTHCARE
Make important healthcare and pharmaceutical decisions with the help of Hadoop

OIL & GAS
Leverage new types of data like sensor, geolocation, weather

PUBLIC SECTOR
Understand sentiment, protect networks, and prevent fraud

Hortonworks Data-Driven Enterprises Powered by Cloudwick

To Become a Data-Driven Enterprise
Contact: services@cloudwick.com
Cloudwick Install™
Any successful solution must be built with a solid foundation. Cloudwick will work side-by-side with your development and operations teams to install or upgrade and certify your Hadoop environment and ensure the success of your Big Data project. A typical Hadoop install includes these activities:
- Install or upgrade HDP on up to 100 nodes
- Use Ambari for efficient installation and management
- Provide cluster installation turn-over

Cloudwick Ingest™
Data ingestion and transformation is the first step in Big Data projects. Cloudwick will implement a custom ingestion and ETL pipeline to optimize your solution, which consists of the following activities:
- Identify and establish solution requirements, reference architecture, data sources, technical framework and applications
- Architect and develop a pilot and help define and execute cases, including, configuration management, testing and third-party tool integration

Cloudwick Security™
Every Big Data project and use case requires a specific security approach to ensure appropriate governance and regulatory compliance. Cloudwick will customize your security architecture to enable strong authentication, authorization, data access, audit, and data governance for your solution.
- Review security requirements and audit current architecture and systems
- Custom tailor user acceptance testing (UAB), production and disaster recovery (DR) environments (Kerberos, Knox, Ranger) to meet authentication, authorization, audit and data protection requirements

Cloudwick Spark™
Cloudwick is a leading Spark systems integrator, trained and certified by Databricks for HDP Spark engineering and integration. Cloudwick will work with your development and operations teams to deploy Spark in your HDP environment, conduct performance tuning and ensure that the implementation is a success.

Cloudwick Insight™
It is important to ensure cluster performance is optimized, so Cloudwick looks closely at details on cluster resource usage, collecting over 200 metrics in real-time so you don’t face any problems, or to address those that you have encountered. Cloudwick will:
- Provide a macro and granular view of everything happening across the HDP cluster to diagnose potential and actual problems
- Monitor the use of CPU, memory, disk I/O, and network for every job and task, by user or group, in real time

Cloudwick Staffing™
Cloudwick provides a cost-effective, turnkey solution to run and maintain your HDP and Spark clusters, enabling you to provide world-class service to your enterprise. You will enjoy reduced risk, lower and more predictable costs and higher success rates. We will:
- Provide hands-on support at your site to design, prototype, deploy, secure, and optimize the complete data pipeline, from ETL to data science.
- Configure your enterprise data hub to use case specs and shorten the time it takes to fully benefit

Cloudwick Expert™
Cloudwick Expert service provides the enterprise administrator, developer and data scientist with experienced and certified remote HDP Spark expert support with four service level options.

Cloudwick Manage™
Dedicated on-site or remote Cloudwick consultant(s) provide comprehensive support services to successfully engineer, integrate and manage HDP clusters. Depending upon the complexity of the use case and applications supported, Cloudwick Manage is the right choice for clients who want to outsource their DSE operations.

Cloudwick Cloud™
Save time and increase productivity by outsourcing the installation, configuration, and management of critical applications on the cloud to Cloudwick. With vast experience and expertise as well as certifications, Cloudwick can design and deploy your tailored cloud infrastructure, saving you resources and up-front costs and ensuring security, disaster recovery and flexibility are built in.
- Trained engineers certified by leading cloud providers specializing in HDP and Big Data
- Managed services for HDP in the cloud at Amazon Web Services (AWS), Microsoft Azure and Google Compute

Cloudwick PM™
How your Big Data project is managed will vary depending on your specific use case and company profile, but there are specific skills needed to manage any project. Cloudwick consultants have managed hundreds of Big Data projects and can leverage this experience for yours so you can benefit and quickly achieve your data-driven goals. We will:
- Provide insight and guidance on project approach, budget, hardware and software selection team building, and use case pipeline management
- Provide report samples and assist with on-boarding, data governance, procedures establishment, and security