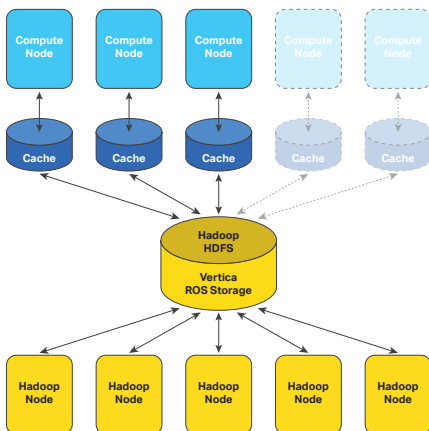


Transition Service for Hive, Impala, and Presto

Vertica Professional Services

Overview

Choosing the right database for your Hadoop Distributed Files System (HDFS) data warehouse should not depend on multiple query engines such as Impala, Hive, or Presto – these have high cost of ownership and still do not deliver on Hadoop’s promise. Vertica in Eon Mode for HDFS is a game changer for enterprises who are modernizing their data warehouses built on top of HDFS data. With Vertica Eon Mode architecture, you can isolate data warehouse workloads and repurpose your existing HDFS data stores and investment with greater flexibility to run highly performant analytics queries.



This is why we’re offering a solution for migrating HDFS data from Impala, Hive, and Presto to Vertica. It will reduce your total cost of ownership and provide superior ROI for operating data warehouse workloads on HDFS. This transition service from Vertica Professional Services delivers rapid data migration, making it easy for customers to take advantage of Vertica’s speed and deployment flexibility.

Featuring complete support from our expert professional service consultants, our migration service uses a proven methodology and best practices, including migration of DDL, ETL/ELT process, historical and live data, user queries, users, and any user-defined functions.

Vertica in Eon Mode for HDFS

Vertica in Eon Mode for HDFS delivers analytical database power with a separation of compute and storage architecture – similar to most cloud architectures, but delivered on-premises. This enables you to:

- Isolate workloads by business unit or by type of workload using subclusters.
- Scale compute to the active dataset (“hot data”) without archiving inactive data.
- Bring varying levels of compute to the database by scaling the compute nodes as needed for seasonal workload peaks.
- Hibernate compute completely when not needed, freeing up compute for other purposes. Then revive back into nodes when needed again.
- Rebalance compute nodes on the fly. Get high availability with simplified database management.

Transition Service Highlights

- Designed to replace HDFS query engines and data warehouse like Hive, Impala, and Presto
- Proven migration methodology to reduce risk
- Phased approach to minimize disruptions
- Covers end-to-end transition
- Transforms and enriches data within Vertica for
 - reports
 - advanced analytics
 - machine learning
- Supports full production cut-over

Transition Service for Hive, Impala, and Presto

This transition service is structured to migrate data from Hive, Impala, and Presto to Vertica with minimal system disruptions. As part of the service, Vertica professional services consultants will install Vertica in Eon Mode for HDFS, migrate your data, workloads, ETL/ELT process, validate the migrated system, and provide training. This streamlined, locally and remotely delivered service aims to accelerate the AS-IS migration project with minimal budget and reduced timeline.

Service Description

Migration Methodology and Scoping Workshop

To scope the project and services, professional services architects will conduct a migration workshop and collect information about your existing Hive, Impala, and Presto based data warehouse deployment on HDFS. The data and information collected as part of this exercise will be used to structure the milestones and budget for the project.

Migration Kick-off and System Design

This initial phase of the project confirms expectations and requirements – e.g., infrastructure to be provided, assessment of the existing environment, including architecture, data model, ETL/ELT configuration, and business application. Also in this phase we will work with you to design the Vertica-based data warehouse best suited to your organization.

Platform Installation

Next, we work with you to validate the infrastructure. This includes the following steps:

- Perform base software product installation
- Create required database & tables
- Configure the system
- Create the As-Built documentation
- Update the system for your environment

Migration and Implementation

In this phase, professional services consultants will set up the base migration system in the development or testing environment. The migration steps include:

- DDL conversion
- ETL/ELT process and connection updates
- Historical data loading
- Application and user query updates

- User creation
- Migration of user defined functions
- Live data loading

Review and Migrate to Production

In this phase, consultants will prepare the production system for data validation and end-to-end application integration testing. After applying any final changes for issues identified during the system testing and data validation, the migrated data warehouse will be open for final user acceptance testing and a final review of what has been configured in preparation to go-live. Working with you, the solution is then put into production. After go-live, we provide post-implementation support and identify and pursue any next steps.

Training

Throughout the implementation, we will mentor your nominated staff to ensure they have the knowledge and training to operate the system after full production cut-over.

Pricing and Statement of Work

We will provide a statement of work after conducting a migration workshop. Please contact us for scheduling the workshop and learn more about Vertica in Eon Mode for HDFS and how the Eon Mode architecture can be used for modernizing your enterprise data warehouse.

Benefits

- Accelerate time to value
- Simplify HDFS data migration
- Lower entry cost
- Protect investment with a robust and mature foundation to address future analytics requirements

Contact us at: www.vertica.com

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The Vertica Software Services Difference

Vertica Professional Services provides unmatched capabilities with a comprehensive set of consulting and implementation skills, experience, and unique intellectual property that help you maximize your Vertica and data analytics investment.

Learn more at www.vertica.com

