

Netezza Analytics Transition Service

Netezza to Vertica migration ensures rapid ROI.

Summary

When choosing the right database for your predictive analytics initiative, the difficulty of the transition should not even factor in your decision. With the Netezza Analytics Transition Service, your organization can easily migrate to Vertica from Netezza, so you can quickly gain the Vertica advantages of reduced costs and increased performance and scalability. Vertica Professional Services provides a proven rapid deployment approach for Netezza customers to migrate to Vertica. Get started with Vertica fast, and experience analytics without compromises.

Powering thousands of data-driven organizations' analytical initiatives, Vertica is the fastest, most advanced SQL analytics database, available on-premises, on Hadoop, and on all major clouds. With in-database Machine Learning, tight integration with open-source technologies and complementary offerings through an ecosystem-friendly architecture, Vertica delivers the highest performance at extreme scale.

The Netezza Analytics Transition Service simplifies and accelerates the transition from your existing Netezza appliance to Vertica with complete support from our expert professional service consultants. This process includes migration of configuration, scripts, data, and validation. It also includes support for data ingestion into the Vertica database from existing source systems that ingest data into Netezza.

Why Choose Vertica?

- Distributed columnar architecture
- Simplified licensing model
- Faster data loading and retrieval
- Better compression technology that reduces storage costs by 30% to 70%
- No need for indexing

- In-database advanced analytics, machine learning algorithms, and functions
- Extreme performance, even at Exabyte scale
- High availability with no single point of failure
- High concurrency, hundreds of users
- UI to monitor and manage Vertica cluster
- High-level security at row and column level
- Easy deployment on-premises, on Hadoop, or choice of AWS, Azure, or Google cloud platforms
- Custom script development in Perl or Java to be run directly in Vertica using extensible User-Defined Functions (UDFs)

Service Overview

You can decide to design this professional service as fixed-price and fixed-scope or Time and Materials for accelerating your Netezza to Vertica migration and maximizing the ROI of your Vertica investment.

This streamlined service package combines Vertica and EDW technical experts, proven migration methodology, and Vertica best practices to ensure a smooth transition from Netezza to a massively scalable and high-performance Vertica enterprise data analytics warehouse solution.

Service Description

Migration Assessment

The first step in the process is the assessment of data, data processes, and applications that access the data in Netezza. This also includes documenting customers' migration objectives to help define the scope of the project and development of a high-level strategy that aims to mitigate the potential risks. The results of the migration assessment then serve as the basis

for subsequent design, migration, and implementation phases.

Training

During the training phase, your technical team will be trained on Vertica in the Vertica Essentials Course (purchased separately) so that your team maximizes its effectiveness during the implementation and attains self-sufficiency as quickly as possible.

Migration Kick-off and Preparation

In this phase, we kick off the project confirming expectations and requirements e.g. infrastructure to be provided and assessing the existing environment including architecture, data model, ETL configuration, and business application. Also in this phase, we will work with you to find the best migration methodology to suit your organization's needs. Resource planning will be finalized in this phase.

Platform Installation

Working with you, we validate the infrastructure, install the software, create the required databases, and configure the system. We also create the As-Built documentation and update your environment.

Migration and Implementation

In this phase, the Vertica consultant will discuss and implement the steps for migration from Netezza to Vertica. This includes:

- **Mapping the databases:** All the objects (tables, views etc.) in the Netezza system will be re-created in Vertica.
- **Data Migration:** Transferring the historical data from the existing Netezza system to Vertica.
- **Script Modification:** All the NSQL/stored procedure scripts will be modified to VSQL based shell scripts or Vertica UDFs.

Review and Migrate to Production

In this phase, we perform a final review of what has been configured in preparation for go-live. Working with the customer, the solution is put into production. After go-live, we provide some post-implementation support and identify and pursue any next steps.

Knowledge Transfer

Throughout the implementation, we will mentor customer nominated staff.

In-Scope

The following items are in scope for this on-premises deployment service. The following list of items may be included, or may be swapped for other items the customer requires:

- Installation and configuration of a Vertica distributed architecture instance for local high availability.
- Installation and configuration of required client drivers to establish connection to different sources.
- Installing the Vertica Management Console to monitor the Vertica cluster.
- Writing one-time scripts/OBD configuration to pull the data from existing data sources to the Vertica system.
- Modifying the scripts written in NSQL/ stored procedure to VSQL based shell scripts.
- Modifying business logic in the SQL scripts and SQL syntax to be compatible with Vertica.
- Performing data quality checks in all places to validate the data count, column level data verification, etc.

- Knowledge transfer to system administrator during post-implementation support.

- Post implementation support.

Items not included in this base service:

- Disaster recovery
- Infrastructure and ongoing operations

Customer Responsibilities:

- Purchase Vertica professional service, software, and support
- Contact Vertica software support for support-related issues
- Attend Vertica Essentials training
- Provide appropriate personnel to participate in meetings and reviews
- Work with Vertica consultants and provide the input configuration data
- Provide executive sponsorship and active management participation for timely issue resolution

Options

This is a base service that can be extended. A Solution Management Services option can also be provided.

Benefits

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

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The Vertica Professional 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.

For More Information

Contact your Vertica representative or email us at: bigdatainfo@microfocus.com

Learn more at
www.vertica.com

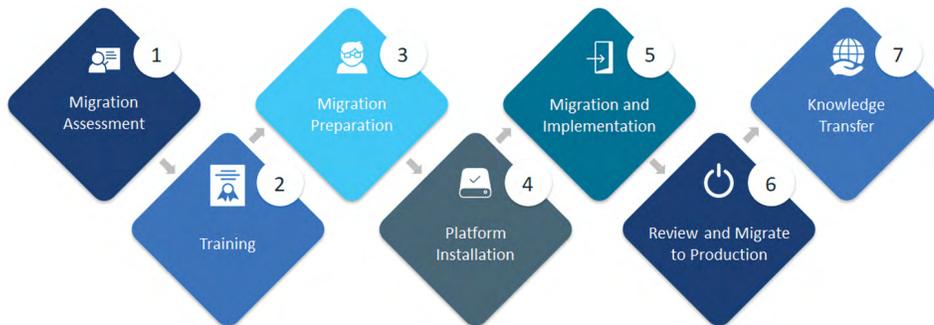


Figure 1. Netezza Analytics Transition Service