

# Vertica Cloud Migration Service

Enterprise-class Big Data analytics on your choice of cloud for any size organization.

## Executive Summary

In today's business environment, competitive advantage increasingly hinges on how well organizations can turn mountains of data into meaningful insights for customer behavior, market opportunities, business trends, product quality, security threats, and more. This reality of a data-driven world has prompted many organizations to adopt Big Data analytics platforms to gain actionable insights from the data.

Ever since the advent of cloud, Big Data analytics had been a primary candidate workload to migrate to the Cloud to benefit from its on-demand, dynamic elasticity. However, migrating to the cloud is often more complicated than it looks. Designing an architecture that can scale, ensuring performance, and fitting the migration into tight windows of opportunity are all challenges that stand in the way.

Vertica Cloud Migration Service from Vertica Professional Services helps you overcome these challenges to execute a seamless migration of your Vertica platform onto the cloud of your choice, such as Amazon AWS, Microsoft Azure, Google Cloud, etc.

## Migration Challenges

Migration of the Vertica platform to the cloud entails several challenges:

- **Limited window for migration:** Having to plan and execute the migration with as little downtime or interruption as possible
- **Limited in-house cloud migration skillset:** Lack of staff with experience in migrating Vertica to the cloud

- **Performance considerations:** Ensuring that data ingestion and queries perform at the levels needed by the business
- **Scalable architecture:** Ensuring that the platform is designed and configured to leverage cloud elasticity efficiently
- **Platform operations:** Ensuring that backup, recovery, security, and other operational aspects are properly handled

## Solution Overview

Vertica Cloud Migration Service is typically performed in two phases:

### Assessment and Planning

During this phase, we conduct workshops and interviews with key business and technical stakeholders to understand your existing Vertica platform: infrastructure, configuration, workloads, and use cases. With knowledge of the existing landscape and inventory of components, we create the migration plan and the to-be design.

We also run a Health check to optimize the existing Vertica platform, applying refined configurations and recommended practices where applicable to prepare for the migration.

### Migration to Cloud

During this phase, migration activities are carried out as detailed in the planning document. We install and configure Vertica as per the design, and migrate the data to the new cluster. Activities also include configuring security, load balancing, backup, ETL migration, users, and testing.

## Delivery and Consumption Models

### Deploy Only

In this model, we plan and execute the migration but you own the Vertica licenses and you operate the platform when it is up and running in the cloud.

### Deploy and Manage

In this model, we plan and execute the migration and continue to manage the platform after it has been migrated to the cloud, but you are responsible for all interfaces between the Vertica platform and your environment.

### Fully Managed

This is a full service model in which we perform the migration, operate and manage the platform post-migration, and the Vertica licenses are bundled as part of the service fee.

## Beyond the Migration

Vertica Professional Services offers a full range of end-to-end Big Data and Vertica services including:

- **Solution Consulting Services:** discovery workshops, assessment services, advisory consulting services
- **Design Services:** design workshops, architecture services, recommended practice consulting
- **Solution Management Services:** reactive services, advisory services, operational services
- **Enhancement Services:** cluster optimization, assessments health checks, expansion design

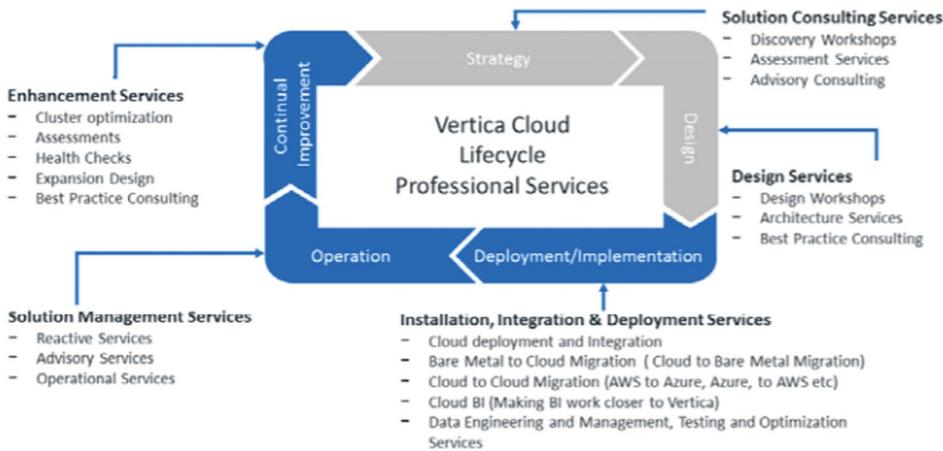


Figure 1. Vertica in Cloud Lifecycle Professional Services

## The Vertica Professional Services Difference

Vertica Professional Services provides unmatched capabilities with a comprehensive set of consulting and implementation services and unique intellectual property that help you drive innovation through streamlined and efficient software delivery:

- Proven Vertica software solution implementation expertise
- More than 20 years of experience helping large, complex, global organizations realize value from their Micro Focus® and Vertica software investments
- Rich intellectual property and unparalleled reach into product engineering

- Technology-agnostic implementation approach with no vendor lock-in, no rip-and-replace
- Education and support services to ensure adoption

### For More Information

Contact your Vertica representative or email Vertica Professional Services at: [bigdatainfo@microfocus.com](mailto:bigdatainfo@microfocus.com)

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