



HP Vertica Enterprise Edition software

Energizing data analytics with Analytics Everywhere™

Real-time business intelligence

With the ever-growing volume, variety and velocity of data, you can't let analytical query performance get in the way of your most important business decisions. With HP Vertica Enterprise Edition software you get high-performance data analytics for all of your data to make better business decisions in real time.

Packed with powerful features for monetizing all of your data, HP Vertica Enterprise Edition manages massive amounts of data quickly and reliably, giving you real-time business intelligence for advanced, Big Data analytics. As part of the HP Vertica Analytics Platform family of data analytics software, you can perform queries about 50 to 1000 times faster with traditional databases, at a fraction of the cost, using a fraction of the hardware. Unlike traditional RDBMS databases, which are not designed for analytics and today's complex analytics workloads, the HP Vertica Analytics Platform is built from the ground up to deliver velocity and volume.

Key features and benefits

Columnar storage and execution

Columnar store allows you to perform analytics faster by reading only the data that's critical to your query. By eliminating costly disk I/O associated with traditional row-oriented SQL databases, you can perform queries 50 to 1000 times faster. Through our lossless data compression, you can also reduce storage costs by up to 90%.

"Scale-out" massively parallel processing (MPP)

Scale your solution as much as you need by adding an unlimited number of industry-standard servers and storage to your analytics environment.

Extensible in-database analytics framework

Realize open access to in-database processing through a powerful development framework for procedural, user-defined analytics. In addition to using built-in SQL analytic and aggregate functions, you can define your own custom functions by using a C++ or Java software developers' kit (SDK). The SDK features secure sandboxing, and resulting functions run in parallel for fast performance.

HP Vertica Flex Zone

HP Vertica Flex Zone lets you shine a light on dark data simply and cost-effectively, you can quickly and easily load, explore, analyze, and monetize emerging and rapidly growing forms of structured and semi-structured data, such as social media, sensor, log files, and machine

data. Use your favorite industry-standard business intelligence (BI) and visualization tools for exploration of Flex Zone data in HP Vertica without creating schemas. HP Vertica Flex Zone offers auto-schematization™, eliminating the need for coding intensive schemas to be defined or applied before the data is loaded for exploration. The one-step schema™ capabilities enable schemas to be created and applied as-needed for high-performance analytics and lets you deal with the ever-changing structure of data with ease. With HP Vertica Flex Zone analysts, data scientists, and business users can explore and visualize information such as JSON and delimited data without burdening or needing to wait for their IT organizations to extract, structure, and load the data.

In-database analytics library

Out-of-the-box, in-database analytics include event-series pattern matching, event-series joins, linear regression, geospatial support, advanced time series, and more. You get open source analytics libraries, including thousands of packages from CRAN (Comprehensive R Archive Network).

Native support for MapReduce and Hadoop

HP Vertica Enterprise Edition includes application programming interfaces (APIs) for user-defined aggregates, analytics, and multi-phase transform functions. These dynamically integrate with MapReduce and Hadoop, so that you can analyze large sets of structured, semi-structured, and unstructured data.

External Tables

With External Tables you can:

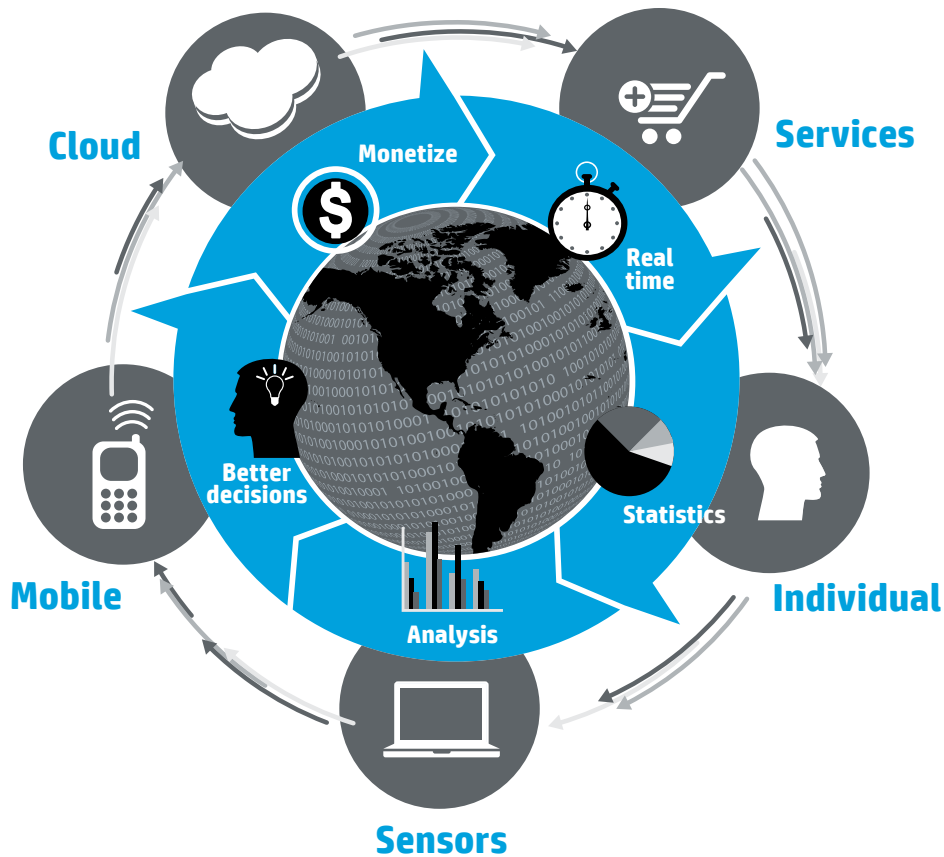
- Transfer data from other SQL databases.
- Perform exploratory analysis on data stored in Hadoop Distributed File System (HDFS) using the secure HP Vertica kerberized HDFS connector.

Automatic high availability

Run non-stop with data replication, failover, and recovery; HP Vertica Enterprise Edition is optimized for performance and transparent to your integration and operations teams.

Optimized system and performance management

Experience a powerful set of APIs for optimizing your system's resources, background processes, workload, and performance. The management console displays tuning recommendations from the Workload Analyzer tool, addressing a wide range of system concerns, including empty administrator passwords, high CPU usage, and recommendations for better data management.



Out-of-the-box productivity

HP Vertica Enterprise Edition was designed to get your users up and running quickly, requiring fewer resources than traditional solutions.

With real-time loading and querying, automated database design, and familiar interfaces, your users are productive immediately.

Operating on industry-standard hardware and with an optimized architecture, HP Vertica Enterprise Edition can deliver significant savings while providing you with industry-leading analytics capabilities and performance.

Technical Specifications

Get the latest technical specifications by visiting https://my.vertica.com/docs/7.0.x/PDF/HP_Vertica_7.0.x_Supported_Platforms.pdf

New technology, not retrofitted solutions

Designed and developed in the 21st century, HP Vertica Enterprise Edition powers some of the largest organizations and most innovative business models around the world.

Real-time big data analytics

Gain insights into your data in real time. Consume, analyze, and make informed decisions at the speed of business.

Fast time to value

Monetize your data in a matter of minutes, not weeks or months. Prevent data blind spots from increasing your risk and uncertainty around regulatory compliance.

Agile deployment

Get maximum flexibility—deploy HP Vertica Enterprise Edition on industry-standard hardware, virtual machines, or in the cloud.

You can get all of these benefits with a leading data analytics solution that scales without compromising performance.

For more information

Test drive HP Vertica Enterprise Edition at vertica.com/evaluate.

HP also offers HP Vertica Community Edition software, a free version of HP Vertica Enterprise Edition limited to one terabyte of data and three nodes. Sign up for HP Vertica Community Edition at vertica.com/community.



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4AA0-6143ENW, Created July 2012

