

# Top 5 Considerations When Choosing a Hadoop Alternative



One of the biggest complaints about Hadoop is its complexity. Users want simplicity. If you're considering migrating from Hadoop, like many are, chances are good that you're disappointed with its inability to meet your needs and do not want history to repeat itself when you upgrade to a new solution. To help companies modernize their environments and rise above the complexity and inadequacy of today's analytic landscape, we put together a list of the five most important considerations when evaluating an alternative solution to Hadoop.

## 1. Ease of Use

Consider all users in your organization, their analytical requirements, and how user-friendly the technology will be for each group. The ability to integrate and manage data is key to enabling end users with the capability to easily find and effectively leverage data. The best platforms provide a variety of pre-coded advanced analytic functions and workflows that save teams countless hours of prepping, moving, duplicating, and sampling data.

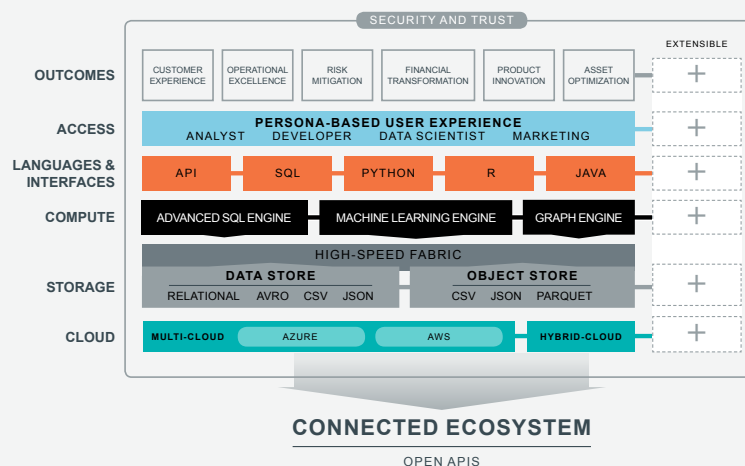
Instead of writing code to perform advanced analytics, powerful but simple tools, like Teradata Vantage™ that comes with more than 180 pre-built advanced analytic functions and democratizes analytics, give users the ability to leverage workflows to perform more analytics in fewer steps without having to switch tools or export data into a different platform. Look for technology that puts the power of advanced analytics in the hands of business users and citizen data scientists.

## 2. Analytic Ecosystem Integration

Being able to combine descriptive, predictive, and prescriptive analytics with autonomous decisioning, machine learning functions, and visualization tools in a single environment allows you to simplify your ecosystem. In addition, a modern platform unifies analytics, data lakes, and data warehouses while giving users the ability to work with a variety of tools, languages, and data types.

Be sure to ask specifics about integration. You'll want a solution that easily connects with other data repositories across your business. This is especially important if you plan to leverage low-cost object stores in the cloud. Try a platform like Teradata Vantage, which enables companies to easily connect, access, and analyze data within low-cost object stores in the cloud such as Amazon S3 and Azure Blob.

### Teradata Vantage Simplifies Analytic Ecosystems



### 3. Flexible Deployment Options

As business requirements change and deployment strategies shift, it's critical to choose a provider that doesn't limit your deployment options. Some vendors offer cloud-only solutions and can't support on-premises or hybrid environments. Others have limitations connecting on-premises and cloud, or providing both on-premises and hybrid environments.

Finding a vendor that offers flexibility with your deployment options and uses the same software across all environments, whether on-premises, in the cloud, or a hybrid solution, like Teradata Vantage does, means you won't have to change a lot of the technology and processes you already have in place. Plus, you'll gain the flexibility for changes in the future.

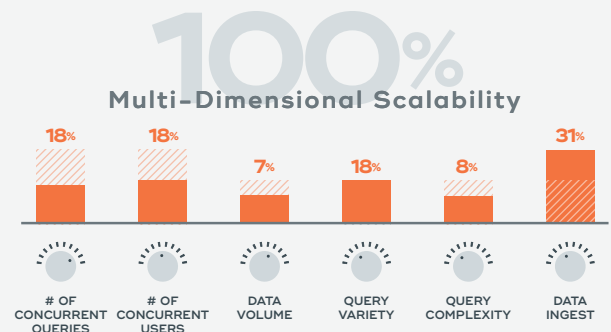
### 4. Performance and Scalability

As your business and data volumes grow, your platform should grow with you. Make sure you choose a platform that seamlessly scales performance, data volumes, and number of users without compromising or limiting one another. Some vendors' products can scale only one or two dimensions at a time. When you try to scale more, it comes at the expense of other dimensions. Likewise, with some systems, adding more data causes performance to suffer, and adding more complex analytics causes query performance to suffer.

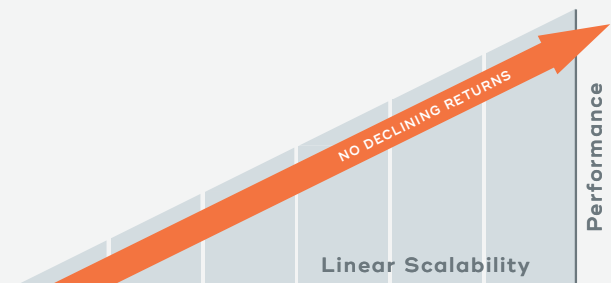
A recent **benchmarking exercise** conducted by Teradata evaluated the actual query performance of Teradata Vantage compared to Hadoop and a leading cloud analytic database. During the 10-hour benchmark, Teradata Vantage ran more than 67,000,000 queries. During that same time, Hadoop ran fewer than 30,000 queries with some simply failing to run because they either timed out or could not be parsed. The leading cloud database ran fewer than 2,000 queries in the same period.

#### Effortless Scalability

Vantage is fully capable, accessible, and scalable. It offers support for multiple data types with effortless scalability through fully parallel operations, mission-critical availability, and complex query performance.



Adjust the allocation of your system resources in real-time, without compromise, to meet your business needs.



EXAMPLE: Double system size—do twice the work, or do the same work in half the time.

## 5. Migration Expertise

The best solutions have team members in-house who can provide migration support. They have deep expertise in migrating to their own technology and provide guidance and recommendations on the best path forward for your business. Look for a vendor that can provide a range of services, such as Teradata's Hadoop Migration Program, that includes a platform assessment to evaluate the current Hadoop environment.

Vendor services should also include a comprehensive migration plan that recommends technology solutions and architecture along with an implementation service that migrates data, schema, pipelines, and applications. This saves you from having to figure things out on your own or going through the lengthy process of researching and selecting a third-party migration partner. Ultimately, the right vendor with a comprehensive offering makes the migration process quicker and easier.

Migrating from Hadoop is well worth the time. If you have questions about how to start your migration, or you're ready to modernize your analytic ecosystem, **contact us** today.

### About Teradata

Teradata leverages all of the data, all of the time, so you can analyze anything, deploy anywhere, and deliver analytics that matter. By providing answers to the complexity, cost and inadequacy of today's analytics, Teradata is transforming how businesses work and people live. Get the answer at **teradata.com**.

