

Vertica in Eon Mode for Scality



Vertica in Eon Mode separates compute and storage, giving organizations the operational flexibility, efficiency, and simplicity to address their mission critical analytic initiatives. Scality and Hewlett Packard Enterprise provide an on-premises object storage solution that can scale to meet the demands of the largest data volumes. Vertica in Eon Mode for Scality delivers cloud-optimized analytics without the risk, cost and complexity of moving to the public cloud.

Get more value from your data with Scality, HPE and Vertica

Scality provides software-defined object storage that leverages the Hewlett Packard Enterprise Apollo 4000 platforms with a range of flexible consumption and procurement options to give businesses cost efficiency and predictability. With Scality as the storage layer, Vertica delivers cloud-optimized analytics for on-premises data volumes without the risk, costs and complexities of migrating to the cloud.

Cloud Storage Changed the Game for Analytics

The explosion of data volumes from new sources forced many organizations to consider alternatives to their legacy data warehouses, and the cloud became an attractive destination. Object storage provides cost-effective means of storing massive amounts of data. Separating compute from storage meant that data volumes could grow without adding additional expensive compute resources. Finally, isolating workloads through multi-tenancy allowed business analysts and data scientists to work with the same data without competing for resources.

The cloud promise was easily met for cloud-native data, but many organizations have massive volumes of data in their on-premises environments, and there is tremendous risk, cost, and complexity associated with moving those data volumes to the public cloud. Some data may never move on-premises. Yet business leaders still demand timely, accurate insights, regardless of where the data resides.

Vertica in Eon Mode Delivers Cloud-Optimized Analytics

Vertica is a column-oriented, massively parallel processing analytics platform that provides blazing fast query performance on massive volumes of data. It has the widest range of in-database advanced analytics and SQL-based Machine Learning functions that eliminate the most common barriers to deploying Machine Learning models in production. Vertica is used

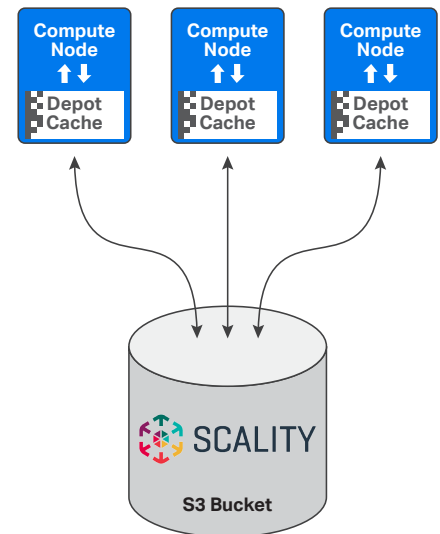


Figure 1. Vertica in Eon Mode for Scality allows users to scale compute resources independently of storage.

by some of the most advanced data-driven companies to deliver real-time and predictive insights with no limits and no compromises.

Vertica in Eon Mode separates compute and storage to give companies the operational flexibility and efficiency they expect from cloud architecture. It uses an object storage bucket to efficiently store massive amounts of data. With Vertica in Eon Mode, customers see the following benefits:

- Scale infrastructure linearly. Scale storage and compute independently, giving



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companies the elasticity to address analytic workload changes and account for seasonality or peak load times.

- Isolate Analytic Workloads. Use sub-clustering to support multi-tenancy. Allow business and analysts and data scientists to work alongside each other from the same dataset without competing for resources.
- Simplify database operations. With Vertica in Eon Mode, customers regularly experience improved node recovery, superior workload balancing, and more rapid compute provisioning.
- Hibernate compute nodes. Stop and start analytics more efficiently by hibernating compute nodes when they are not needed.

Scality and HPE give customers a cost-effective object storage solution on-premises

Scality RING is a software-defined distributed file and object storage solution for on-premises data volumes. It is able to be deployed on industry standard hardware solutions, like the HPE DL380, for a cost effective storage solution capable of scaling to tens of Petabytes of data. Scality has been protecting huge datasets for over a decade.

Vertica in Eon Mode for Scality brings cloud innovation to on-premises data volumes

For large on-premises data volumes that are difficult or impossible to move to the cloud, Vertica in Eon Mode for Scality on HPE Hardware brings cloud innovation to the data center. Scality RING acts as the storage layer, and analytics teams can scale compute and storage independently as needed with the HPE hardware consumption model that fits their financial needs. Vertica in Eon Mode gives customers the greatest breadth of analytic capabilities, from SQL queries to in-database advanced analytics and machine learning, so business analysts and data scientists can achieve real-time and predictive insights on the entirety of their data.

Cloud innovation is here to stay, but not every dataset belongs in the public cloud. Now, companies can leverage the power of the cloud data warehouse without the risks, costs, and complexities of migrating large data volumes to the public cloud.

Learn more at
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