Teradata Vantage: A Comparative Study of On-Premises and Cloud-Based Analytics

Dimensions:

The paper compares the performance and costs of Teradata Vantage, a big data analytics platform, on on-premises and cloud-based deployment models. The authors conducted experiments on a variety of workloads and analyzed the results to provide insights into the benefits and drawbacks of each deployment model.

Background:

The paper provides an overview of the evolution of big data analytics and the emergence of cloud-based solutions. It also discusses the features and capabilities of Teradata Vantage and the different deployment options available.

Important points:

The authors found that the cloud-based deployment of Teradata Vantage offers benefits in terms of scalability, agility, and ease of use, while the on-premises deployment offers benefits in terms of control, security, and performance.

The paper provides a detailed analysis of the experimental results, including charts and tables comparing the performance and costs of the two deployment models for different workloads and data volumes.

The authors also discuss the challenges and opportunities associated with integrating cloud-based and on-premises deployment models, and provide recommendations for organizations looking to adopt hybrid solutions.

The paper includes a discussion of the impact of cloud pricing models and the importance of cost optimization strategies in selecting the most appropriate deployment model for a given workload.