

SOLUTION BRIEF

Snowflake Data Cloud on Pure Storage FlashBlade

Bring Snowflake Data Cloud capabilities to your data stored anywhere on Pure Storage® FlashBlade®.

Modern analytics capabilities are table stakes in Industry 4.0 and give organizations a strong competitive edge. However, successful analytics projects depend on seamlessly harnessing all relevant data—no matter where it lives—while maintaining flexibility and control. The need for data sovereignty and keeping data on-premises can occur due to regulatory and compliance laws or other similar mandates; as a result, data can get locked out of modern analytics platforms, limiting its value. The new Snowflake Data Cloud solution on Pure Storage FlashBlade can help turn data into insights across hybrid silos by combining the compute capabilities of Snowflake Data Cloud with industry-leading fast-object capabilities from FlashBlade either on-premises or in a colo.

Poor Data Infrastructure Can Hinder Modern Analytics

Deriving insights from the massive amount of data organizations generate can be a challenge. The dynamic nature of data and the requirements of specific applications require the right storage infrastructure to keep up with the demands of modern analytics. Many organizations often buy storage based on specific applications and use cases. This is not only operationally complex and not cost-effective, but it can be difficult to scale, manage, and meet performance requirements beyond the initial use case. This often leads to data being spread across silos within an organization, which limits their value. Cloud-based analytics applications aren't immune to some of these challenges. Compliance and regulatory reasons, cost control, and organizational concerns over data privacy mean that a large percentage of data is still outside the public cloud, effectively turning cloud-based analytics applications into just another data silo. This approach can be a challenge for organizations that want to focus on maximizing their return on investment and leveraging all of their data to deliver more value and deeper insights.



Maintain Data Control

Keep up with compliance and regulatory guidelines while making data available for all applications and eliminating silos across hybrid environments.



Unlock Your Data Potential

Unlock more value and deeper insights from all your data stored on-premises or in a colo with proven all flash performance.



Harness Cloud-like Simplicity

Extend the Snowflake Data Cloud experience to your data stored on Pure FlashBlade with simplicity and performance at scale, ease of use and an optional pay as you go model.



Storage solutions that support analytics initiatives need to be efficient, simple to manage, deliver optimal TCO, and provide proven and reliable performance. The right storage platform enables you to optimize your on-premises environment, consolidate data silos, ensure the best experience for all your applications, and support cloud-based analytics applications. This storage should address your needs today and non-disruptively adapt as your needs change in the future.

Unlock the Value of All Your Data

Pure Storage and Snowflake help organizations turn data—wherever it lives—into insights. This is made possible with the power of external tables delivered by Snowflake that allow users to query existing data stored in any external cloud/S3 storage without needing to load data into Snowflake Data Cloud, so data can be read directly from FlashBlade. The solution helps eliminate data silos by consolidating all data either on-premises or in a colo and maintaining data sovereignty while analyzing any sensitive data with Snowflake Data Cloud. Additionally, because FlashBlade is a unified file and object platform purpose-built for modern analytics it can support other applications that need access to the same data. FlashBlade can be installed in data centers or at a co-located site near Snowflake deployment regions. With Evergreen™, customers can further achieve infrastructure agility on-premises by deploying solutions that keep evolving, stay always-leading, and never go obsolete with non-disruptive upgrades. Additionally, pay-as-you-go billing options enable you to scale up and down so you can consume IT resources to fit your business needs.

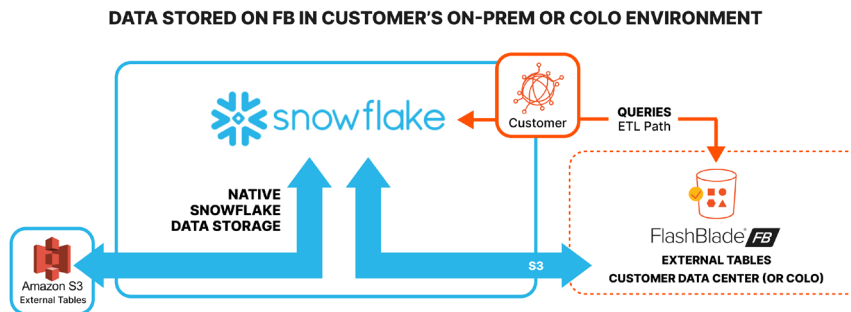


Figure 1. High performance object storage of FlashBlade expands data access and control by bringing Snowflake Compute to data on-prem.

Pure and Snowflake meet you wherever you are in your analytics journey with a cutting-edge hybrid cloud solution with:

- **Data control:** Maintain data sovereignty and meet compliance and regulatory requirements by keeping your sensitive data outside the public cloud while using Snowflake capabilities to unlock more value and deeper insights.
- **Expanded data access:** Enterprises can use Snowflake to analyze data directly stored on FlashBlade object storage, eliminating the need to create separate copies of data and consolidating data.
- **Better outcomes:** Eliminate time and data migration resources. Speed time to value from all your data using Snowflake Data Cloud while leveraging the advantage of the proven multi-dimensional performance with FlashBlade
- **Cloud-like flexibility:** Deploy optimized infrastructure when and where you need it with FlashBlade retain the same Snowflake Data Cloud experience for your analytics and data processing wherever your data lives.

Additional Resources

- [Blog](#): Pure Storage and Snowflake Hybrid Cloud Solution

purestorage.com

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