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Microsoft

SOLUTION BRIEF

Pure FlashBlade for Azure Stack

Enhance your hybrid-cloud infrastructure with unified fast file and object storage for your critical data.

Organizations are continuously looking to digitally transform by using public cloud services to build on modern architectures and refresh legacy applications. However, due to performance requirements or data governance regulations, many workloads must remain on-premises. As a result, organizations are seeking to run applications on-premises with cloud-native capabilities.

Pure Storage FlashBlade® for Azure Stack Hub

FlashBlade uses industry-standard file and object storage protocols to augment storage within Microsoft Azure Stack Hub. This solution is ideal for low latency and local data processing needs that help consolidate and scale storage.

FlashBlade for Azure Stack Hub brings unified fast file and object (UFFO) capabilities to Azure Stack Hub to create a seamless hybrid cloud infrastructure solution. You can take advantage of FlashBlade's simplicity, performance, and consolidation that allows for data growth. With a high-performance network, unstructured data storage, and all-flash capabilities, FlashBlade gives you the ability to deliver real-time insights, break down silos, and manage storage on a single platform. FlashBlade for Azure Stack Hub delivers:

- Replication, speed, and performance with NFS, SMB, or S3 capabilities
- Multi-dimensional performance for modern applications, and data operations
- A unified fast file and fast object (UFFO) storage platform designed to consolidate disparate workloads and eliminate storage silos

Gridpro Software Integration

Pure has partnered with Gridpro Software to add additional capability to their existing Azure Stack Hub integration software called EvOps. Gridpro has incorporated a new feature into EvOps called "Pure Storage Accounts" that extends their resource provider to provision, manage, and delete file systems and object stores against one or many FlashBlades in your environment.

Performance

- Handle any and every workload, file size or type with multi-dimensional performance.

Simplicity

- Gain cloud scalability and operational simplicity for both file and object storage needs.
- Benefit from non-disruptive upgrades and zero-touch provisioning.

Consolidation

- Provide cloud-optimized efficiency on-premises for file and object storage on a single platform.

This integration allows FlashBlade to be exposed to Azure Stack Hub as a unified fast file and object storage platform that developers can utilize in their overall solutions architecture. Using Azure Stack Hub Portal and Azure Resource Manager, Pure FlashBlade can be self-service and consumed using existing cloud-native automation.

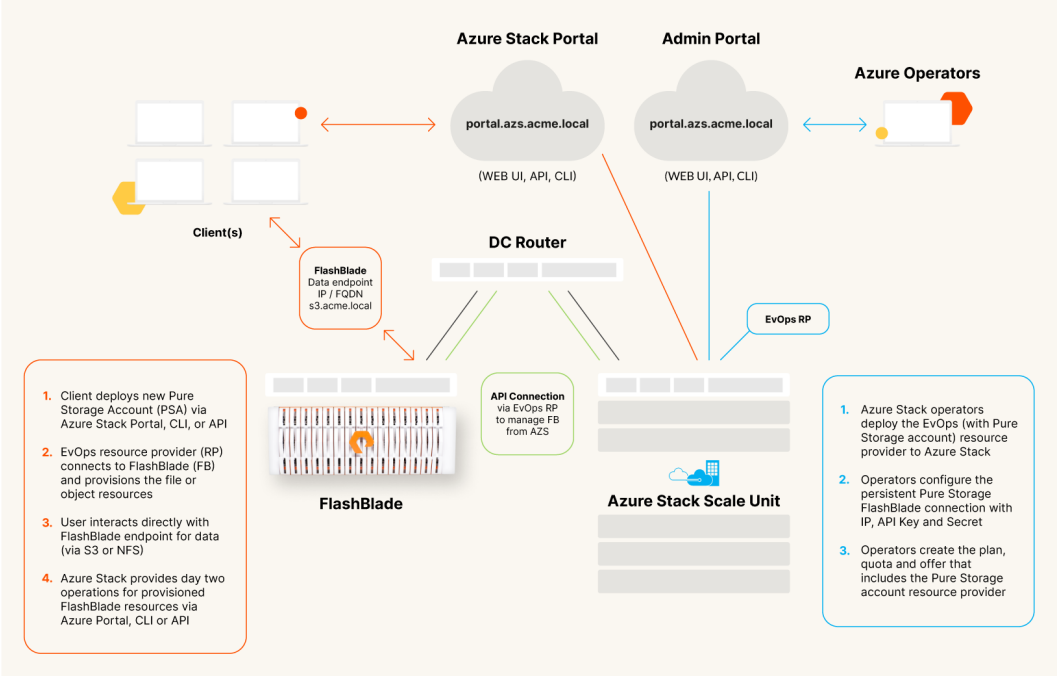

Figure 1: FlashBlade and Azure Stack Hub integration.

Example Use Cases: You can use Pure FlashBlade with Azure Stack Hub for file workloads including streaming analytics, machine learning and AI, backup, and recovery. You can also use it as object storage for mobile applications, media, and unstructured data of any type.

Additional Resources

- Learn more about FlashBlade.
- Take advantage of a free FlashBlade Test Drive.
- Learn more about Pure's partnership with Microsoft.

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