TECHNICAL BRIEF

Improve Fast Object Storage with Replication

Leverage cloud economics and enhance user experience with FlashBlade object replication.

In the current digital age, the ideal object-storage platform needs to support high-performance object storage while delivering the flexibility to leverage the benefits of public cloud when needed. Pure Storage® FlashBlade™ is trusted as the high-performance unified file and object platform for modern data-intensive workloads. With Purity 3.0, FlashBlade now offers asynchronous object replication, which enhances its fast-object capabilities and leverages fast-object potential along with cloud benefits.

Support Modern Data-Intensive Workloads

The era of digital transformation has forced modern enterprises to look at their IT strategies differently. Nowhere is the change more pronounced than the role of object storage in an IT environment. Gone are the days when object storage was just a "cheap and deep" solution for the long-term retention of data.

Today a growing number of enterprises are looking at high-performance object storage for a wide range of analytics, data protection, and application development use cases. Additionally, the rise of Amazon Web Services has standardized S3 as the de facto object protocol and defined the user expectations for flexibility and economics.

Modern data-intensive workloads demand an optimal object storage platform that can deliver the benefits of high-performance object storage while also providing an opportunity to leverage public cloud on demand.

Enhanced End-User Experience

Deliver lower access latency and increased read throughout for geographically distributed users.

Cloud Mobility

Expand fast-object capabilities by replicating object data in the native format to the cloud.

Secure Data-in-Transit

Get on-the-wire encryption support with Transport Layer Security Protocol.
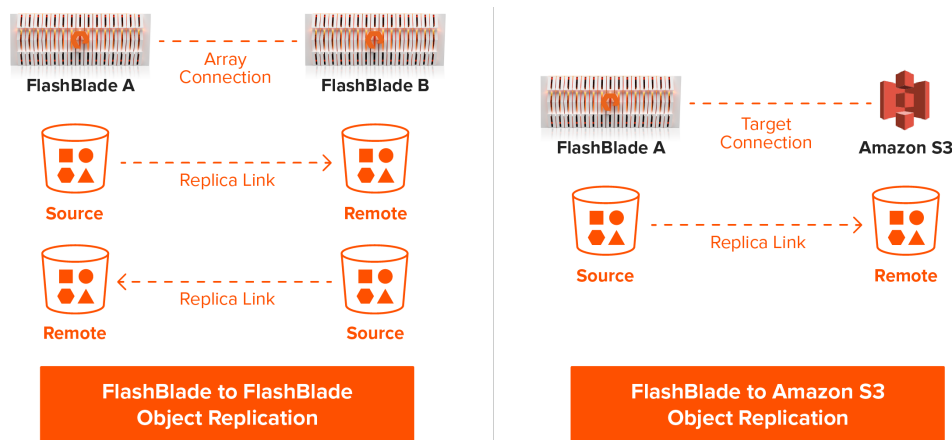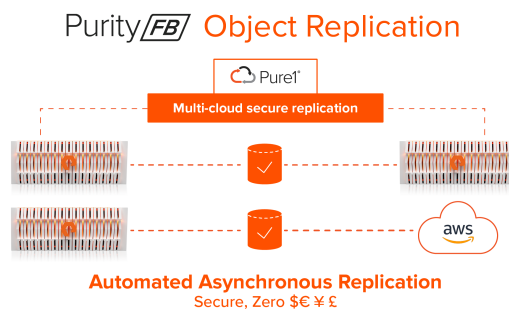
Figure 1 Overview of FlashBlade Object replication

FlashBlade Object Replication

FlashBlade has proven itself as a leading high-performance unified file and object platform for modern data-intensive unstructured workloads.

As thousands of organizations trust FlashBlade as a proven fast-object storage platform, expanding FlashBlade capabilities to drive innovation in their business, deliver better user experience, and leverage cloud economics is essential. To deliver on this crucial requirement, Purity//FB 3.0 now offers FlashBlade object replication. This enables asynchronous replication of object data in native format from FlashBlade to FlashBlade and from FlashBlade to Amazon S3.

What Makes FlashBlade Object Replication So Compelling

While other storage vendors may support similar capabilities, FlashBlade object replication delivers the same quality, simplicity, and efficiency that organizations have come to expect and love from a Pure Storage solution. Unlike typical vendors that demand a "toll tax" to move the data to the cloud, FlashBlade now complements your cloud strategy. Some of the factors that make FlashBlade object replication so compelling for the customers include:

- **Enhanced end-user experience:** Improve the experience for geographically distributed users by delivering lower access latency and increased read throughout.

- **Cloud mobility:** Expand your fast-object capabilities by replicating object data in the native format to the cloud to leverage cloud economics.

- **Secure data-in-transit:** Ensure that data transferred over the wire is always secure with on-the-wire encryption support with Transport Layer Security Protocol.

- **No gateways, no licenses:** Update non-disruptively to Purity//FB 3.0 and enable the replication of any new objects between two FlashBlade sites—or from FlashBlade to Amazon S3—without requiring any additional licenses and gateways or incurring a cost to move your data to the cloud.

- **Simplicity:** Simplify setup and management using intuitive GUI, REST, and CLI interfaces.

- **Enterprise monitoring:** Monitor FlashBlade object replication in one central location with Pure1®, the AI-driven cloud-based management platform.

For more information, visit the FlashBlade product page.

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