DATA SHEET

Pure Storage Cloud Block Store for AWS

Industrial-strength block storage delivered natively in the cloud.

100% cloud software

- Deploys as a virtual appliance in the cloud
- Consume cloud resources only as needed

Reliability, performance

- Dual-controller architecture
- Architected for high reliability and performance
- Instant space-saving snapshots
- Data-at-rest encryption

Industry-leading efficiency

- Always-on thin provisioning, deduplication, and compression

Hybrid delivered

- Lift and shift existing apps to the cloud seamlessly
- Migrate to/from cloud, DR to cloud, or Test/Dev in the cloud with bidirectional data replication

Consistent APIs, automation

- Develop to consistent APIs and run anywhere
- Deploy easily with VMware vRA and AWS CloudFormation Templates

Pure Storage® Cloud Block Store™ for Amazon Web Services (AWS) is industrial strength block storage delivered natively in the cloud. Powered by Purity software, Cloud Block Store enables mission-critical applications to run on the cloud seamlessly – while also making cloud storage more powerful for webscale applications. It drives true hybrid operations with consistent data services, resiliency, and APIs, plus bi-directional mobility and seamless management and orchestration. Gain the ultimate agility: faster application development and the ability to free applications from specific infrastructure.
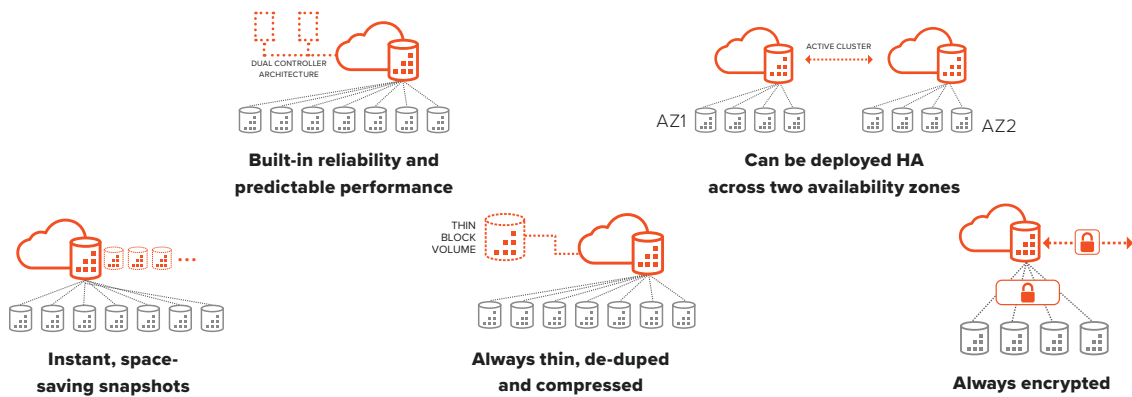
Enterprises are evolving to employ hybrid cloud environments with hybrid applications that run across clouds, leveraging the agility and innovation of private, edge, SaaS, and third-party clouds simultaneously. However, with different models of resiliency and efficiency, and with different APIs, on premises and cloud-based data storage have operated in separate worlds. Pure Storage Cloud Block Store bridges the divide with consistent data services, effortless bi-directional mobility, and seamless management and orchestration across hybrid cloud.

High Reliability, Efficiency, and Predictable Performance

Cloud Block Store delivers industrial-strength cloud reliability for mission-critical applications, with non-disruptive upgrades, high availability across availability zones, and always-on AES-256 data-at-rest encryption. It is architected for performance and reliability by bundling the highest performing and highest durability public-cloud resources, combined with a highly available dual-controller architecture. Pure's high data-reduction rates, with always-on thin provisioning, deduplication, and compression, ensure capacity is delivered economically.

Cloud Block Store Enhances Cloud Storage

Built-in reliability and predictable performance

Can be deployed HA across two availability zones

Instant, space-saving snapshots

Always thin, de-duped and compressed

Always encrypted

Unify Private and Public Cloud for True Hybrid Benefits

No single cloud fits all environments. Applications require flexible hybrid-cloud options to align workloads with your business needs. With Pure as-a-Service, run applications on-premises, co-located or hosted, connected to the public cloud with low-latency interconnects, or within the public cloud with Cloud Block Store. Pure unifies on-premises and public cloud by offering a consistent enterprise-grade experience, a common elastic-cloud experience, and a unified subscription – enabling movement of data between any physical location and AWS, with a single subscription agreement.

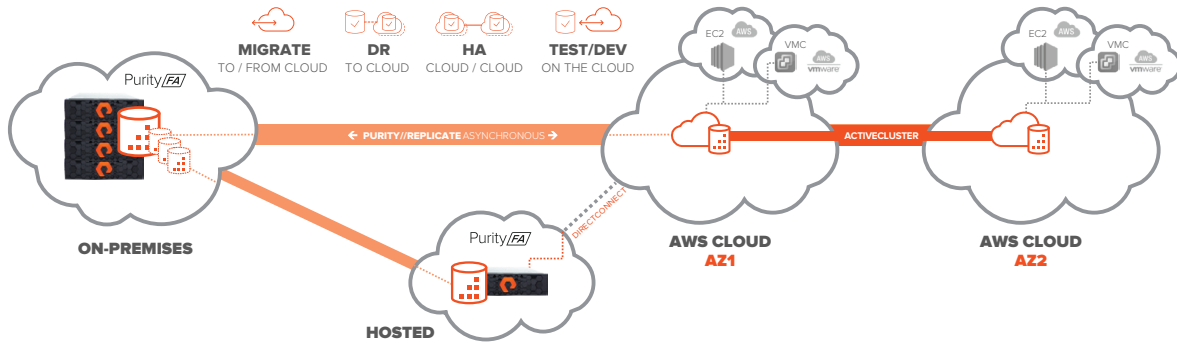## Drive Efficiency via Consistent APIs and Automation

With consistent APIs across your hybrid cloud, application developers can develop to a common storage API and seamlessly transfer existing automation. Developers can, therefore, develop applications once and deploy them across clouds. Further, webscale developers can focus just on application logic and leave reliability to Pure's rich resiliency services. Deploy Cloud Block Store easily using plug-ins for VMware vRA and AWS CloudFormation Templates.

Get Visibility Across Clouds with Pure1®

The Pure1 cloud data-management platform, extends into Cloud Block Store, enabling a truly unified hybrid experience through seamless management and orchestration between on-premises and cloud deployments. With it, you can monitor your entire storage footprint across clouds through a single pane of glass.

PURESTORAGE®

Unlock a World of Hybrid Use Cases

Cloud Block Store is seamlessly integrated with Pure's on-premises cloud data infrastructure to deliver a true hybrid architecture. This enables you to develop, migrate, and run apps across your hybrid cloud, leverage the cloud for disaster recovery of on-premises or hosted workloads, and get high availability (HA) between two availability zones for the highest levels of reliability for apps running in the cloud.

Migrate to/from Cloud

Get the agility to migrate VM and container workloads to and from AWS cloud with ease using CloudSnap or by using Pure's asynchronous replication technology. For example, use CloudSnap to migrate FlashArray™ data to Amazon S3 and restore the data to Cloud Block Store, then make it available in Amazon Elastic Compute Cloud (EC2) or VMware Cloud on AWS to run workloads in the cloud.

DR to the Cloud

Replicate on-premises and hosted cloud data to AWS cloud for disaster recovery (DR). For example, protect data snapshots in Amazon S3 and then restore the data to Cloud Block Store to leverage AWS as a DR target. Pure simplifies bi-directional replication so that once recovered, you can migrate data back into your on-premises or hosted cloud.

HA on the Cloud

Deliver the highest level of high availability for applications running in public cloud. In addition to building a high level of reliability into its architecture with dual controllers and Amazon S3 durability, Cloud Block Store allows using Pure's ActiveCluster technology between two availability zones in AWS to provide HA for mission-critical applications.

Test/Dev on the Cloud

Running Pure arrays on-premises and Cloud Block Store on the public cloud drives development, test, and production across your hybrid cloud. Develop and test application on AWS cloud and then easily deploy mission-critical produc- tion applications on FlashArray on-premises with the same APIs, automation, and orchestration everywhere.

Achieve True Hybrid Operations

Cloud Block Store enables existing apps to run on the cloud while providing new capabilities for webscale apps, and unlocks new use cases for a true hybrid architecture. With faster application development and agility, Cloud Block Store empowers you to turn data into value – wherever data lives.

purestorage.com

800.379.PURE

PURESTORAGE®