ObjectEngine™

Modern data protection enters the hybrid cloud era

SUMMARY

While legacy backup architectures like disk-to-disk-to-tape (D2D2T) are still in wide use, newer technologies such as flash and cloud have fueled new levels of performance and simplicity in the data center. Modern data protection, powered by the Pure Storage® ObjectEngine™ solution, takes full advantage of flash and cloud. ObjectEngine offers the industry's first flash-to-flash-to-cloud (F2F2C) platform, unleashing the power of flash and cloud to modernize data protection for data-centric organizations.

RETHINK BACKUP IN THE ERA OF FLASH AND CLOUD

D2D2T backup strategies built on native application utilities, data protection software, or purpose-built backup appliances (PBBAs) have been optimized for backup performance for decades, but often with little regard for recovery. PBBA systems can be as much as 10x slower during recovery as compared to backup. Using Pure Storage ObjectEngine, however, organizations can deploy a cloud-native solution with scale-out rapid recovery on-premises or from the cloud – but with no change to backup workflows, because both application-native utilities, such as RMAN, and third-party data protection technology, such as Veritas, Veeam, and Commvault, are validated with ObjectEngine.

ENTERPRISE-READY

Secure, highly-durable cloud object storage

CLOUD-NATIVE

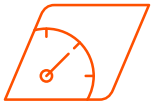
Native S3 interface enables openness, integration, and data portability

SINGLE NAMESPACE

Stores in a single data hub across your data center to deliver fast local performance and global data protection

SCALABLE

Nodes scale linearly to support 100s of PBs and deliver 10s of GBs in bandwidth



FAST

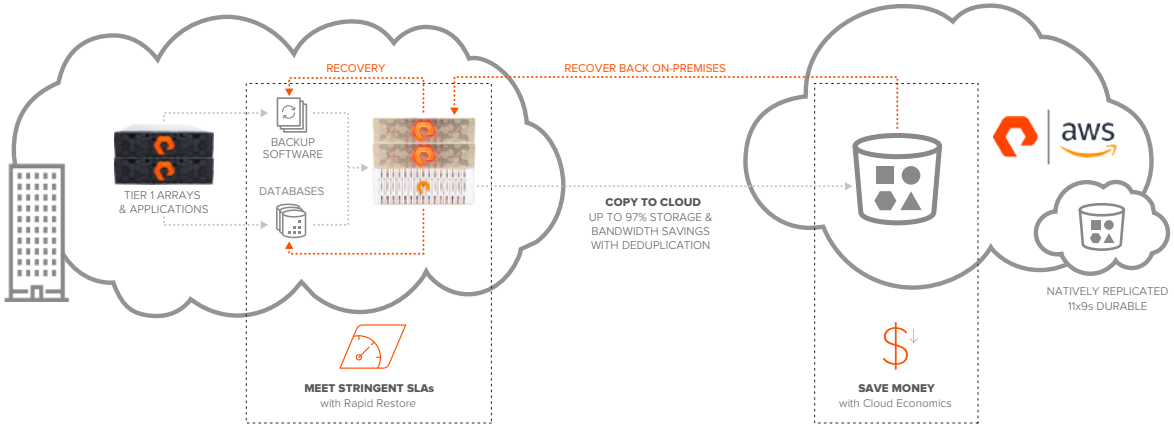
Massively parallel architecture enables rapid backup and scale-out restore

EFFICIENT

Reduces storage and bandwidth costs by up to 97% or more, enabling cloud storage to cost-effectively replace disk & tape

OPTIMIZE IT COSTS AND FOSTER DATA REUSE

ObjectEngine is fundamentally unlike D2D2T architectures. Instead of needing expensive infrastructure off-site for replication, organizations can take advantage of cloud economics to optimize cost while enjoying 11x9s of data durability. ObjectEngine's cloud-native architecture offers variable-length deduplication to efficiently store your most recent data on Pure Storage FlashBlade™ systems, while protecting all data in the public cloud. With its scale-out rapid recovery, ObjectEngine also enables fast access to teams for data reuse in areas such as analytics and test/dev. In addition, you can license ObjectEngine using a model that makes business sense to your organization – either a la carte with perpetual licensing, or pay-as-you-consume with subscription licensing.



SPECIFICATIONS

BASE CLUSTER (4 NODE)	
NODE TYPE	ObjectEngine//A270
DATA INGEST RATE[1,2]	Up to 25 TB/HR
DATA RESTORE RATE[1]	Up to 15 TB/HR
FRONT END CAPACITY[1]	15 Petabytes
RACK UNITS	6
NETWORK CONNECTIVITY (PER NODE)	• Data (recommended): 2 x 25 Gb/s or 4 x 10 Gb/s • Management: 2 ports at 1 Gb/s
SUPPORTED CLOUD PLATFORMS	FlashBlade, Amazon Web Services S3 Standard, S3 Standard-IA

[1] Depends on workloads and assumes a data reduction ratio of 10:1 or more
[2] After initial seeding

"My vision for IDT was to reduce costs, and have as much flexibility as possible in our infrastructure. What Pure has reinvented in storage, ObjectEngine did for backups. We can buy ObjectEngine, backup our data to the cloud, and never rebuy anything."

*— **DAVID WARTELL**, CHIEF TECHNOLOGY OFFICER*

IDT

PURESTORAGE®

VISIT **PURESTORAGE.COM** TO LEARN MORE