perforce
Delphix

Delphix Elastic Data

Cost-efficient, Scalable Data for the Application Lifecycle

Overcome Multicloud Data Complexity, Cost

Growing storage volumes, data sprawl, and retention requirements for ransomware recovery, legal hold, and test data management (TDM) multiply the cost and complexity of managing application data. Delphix Elastic Data enables businesses to use resilient, 2x less expensive storage to lower IT costs, while enabling automated data delivery for development, testing, or recovery use cases in the cloud or on premises.

How Delphix Elastic Data Works

Elastic Data enables Delphix instances or "engines" to seamlessly leverage object storage solutions including Microsoft Azure Blob Storage, Amazon S3, or S3-compatible on-prem storage arrays. Delphix engines sync with production data sources, store the data in an easily resizable object storage pool, then provision virtual data copies to target environments for development, testing, analytics, or other non-production use cases. A cache running on block storage holds data actively in use, and dynamically scales to meet performance requirements. This architecture enables businesses to reduce costs by:

- Storing application data in 5-8x less expensive object storage

- Sizing the storage pool for non-production environments without the need to over-allocate for future growth

- Scaling a block-based cache up or down to optimize cost and performance

Elastic Data also offers a highly resilient approach to data retention, with application data remaining in object storage even in case of engine or block storage failure. Resiliency and storage efficiency make Elastic Data well-suited for long-term data retention use cases, and can obviate the need for expensive backup applications and storage tiering tools.

Delphix Key Capabilities

- **Reduce storage costs by 50%** using low-cost object storage in the cloud or on premises

- **Reduce retention costs by 80%** for ransomware recovery, legal hold, other long-term data retention use cases

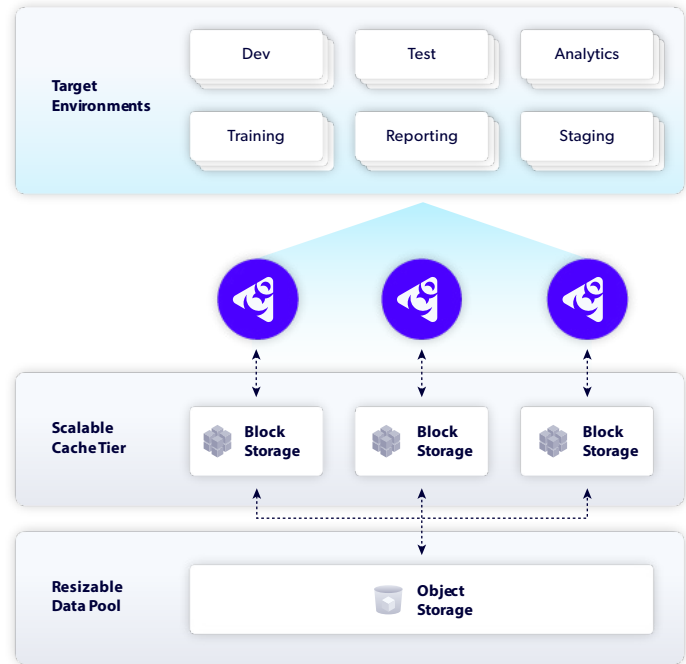- **Increase resiliency** for business critical application data

Use Cases

Cost-Effective Data for Development

An F500 Healthcare Company runs 5000+ database environments for dev/test on Elastic Data, accelerating application delivery and reducing infrastructure costs for non-production by 80%.

Efficient Long-term Data Retention

A Leading Apparel Company stores over 200TB of backup/DR data in Elastic Data on AWS and Azure, enabling them to eliminate multiple backup tools and save $14M annually in cloud costs.

Target Environments

| Dev | Test | Analytics |
| Training | Reporting | Staging |

Scalable Cache Tier

| Block Storage | Block Storage | Block Storage |

Resizable Data Pool

Object Storage

Feature Overview

- **Cost-efficient cache, object storage**
  2x less expensive than block storage alone

- **Resilient, highly-available data**
  Data remains in object storage in case of engine, block storage failure

- **Flexible and scalable**
  Automatically scale to petabytes of data

- **Dynamic caching**
  Resize cache to match performance to use case

- **Multicloud-ready**
  Use with on-prem or cloud object storage solutions

- **Long-term retention**
  Extend retention windows and lower costs; eliminate need for backup tools