Actifio CDS™ Gateway Data Sheet

What is Actifio?

Actifio is radically simple data virtualization.

Actifio's data virtualization platform helps companies take control of their data, delivering greater resilience and agility while enabling secure mobility of data to and from the cloud. By virtualizing data, creating a single "gold copy" available for instant access and use, Actifio frees application data from underlying infrastructure, enabling transformational change in IT and the business.

Carrier-Class Data Management for Business Resilience and Agility

Actifio CDS™ Gateway is designed for the largest-scale deployments in heterogeneous data center environments. Actifio CDS™ Gateway supports a broad range of applications, host operating systems, and third-party storage, and is designed to protect up to a pedabyte of source application data per appliance.
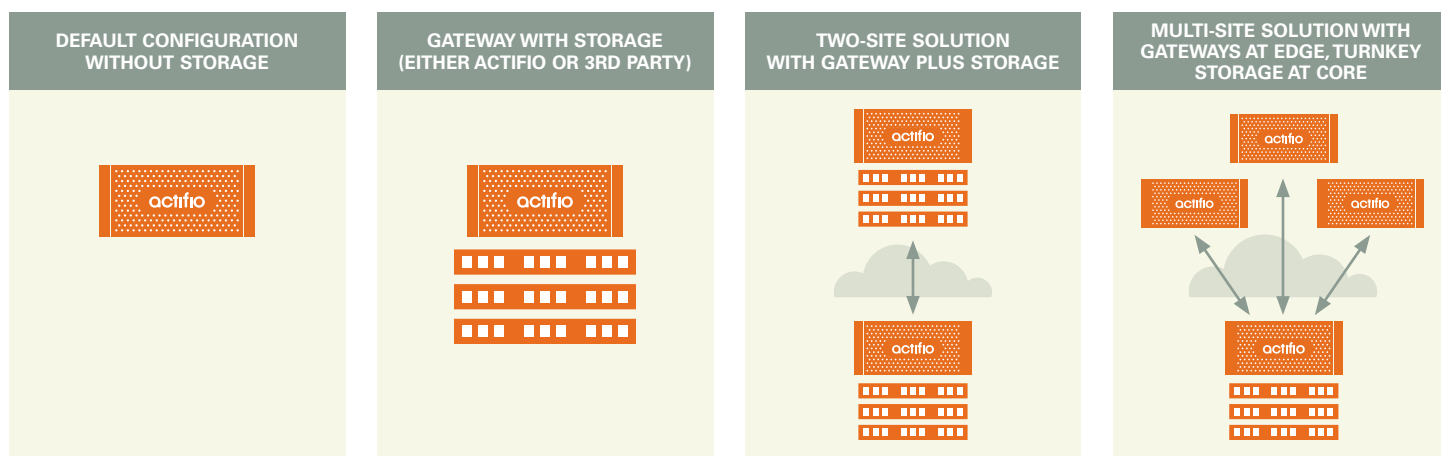
Actifio CDS™ Gateway is a flexible data management platform that may be configured with or without storage. Licensed configurations may start as small as 15TB, and integrate seamlessly into any data center, leveraging either the IP network or Fibre-Channel SAN to capture data. Actifio CDS™ Gateway will automatically discover applications, physical servers, and virtual servers to capture data. Even with its significant scale, the Actifio CDS™ Gateway offers straightforward setup with the industry's only application-centric SLA-based management. Actifio is particularly well suited for VMware deployments, as it directly integrates through the VMware's vSphere and vCenter API. Actifio also directly integrates with Oracle RMAN, offering powerful data management for test and development use cases, as well as data protection. By off-loading copy data functions like snapshot, backup, clone, and replication from both production storage systems, Actifio CDS™ Gateway enables organizations to achieve greater scalability, improved production performance, and higher system utilization.

Actifio CDS™ Gateway delivers the following benefits:

- **Extreme Scalability and Flexibility** with systems designed to manage from 15TB to 8PB of source application data, configured with or without storage

- **Advanced Reporting Services** through a flexible and powerful report designer

- **High-Performance Software Platform** keeps pace with large-scale host counts and data sets, from cloud infrastructures to big data implementations

- **Synchronous and Asynchronous Replication** to deliver to the most stringent data continuity service levels.

- **FailoverTest** – run disaster recovery test as often as possible using ReadyVM and virtual copies

- **FailoverSync** – Sync back application data from business continuity DR site once the primary site is ready using only the uniquely changed data

- **Optional 10GbE Connectivity** for maximum throughput to capture data from high data volume applications

- **Application-centric Service Level Agreement (SLA)-based management** allows users to define their SLAs in simple terms based on how often they want to capture production data copies, and how long they want to keep them.

Sample Actifio CDS™ Gateway Configurations

| DEFAULT CONFIGURATION WITHOUT STORAGE | GATEWAY WITH STORAGE (EITHER ACTIFIO OR 3RD PARTY) | TWO-SITE SOLUTION WITH GATEWAY PLUS STORAGE | MULTI-SITE SOLUTION WITH GATEWAYS AT EDGE, TURNKEY STORAGE AT CORE |

- **Network-optimized replication of data** allows users to move data over the IP network with up to 70% less bandwidth using patent pending Dedup-Async technology

- **In-band data capture** delivering Fibre Channel speed data capture and management

- **Out of band data capture** frees in-band production data network with straight forward setup and configuration

- **Incremental forever** with zero backup window approach captures and moves copy data efficiently, optimizing bandwidth and storage capacity

- **Instant data access** with no restore window, users can simply mount their data from the appliance, from any point in time, to get applications up and running quickly.

- **Quick and efficient virtual copies** of data are produced with no additional initial storage footprint

- **Consumer-Grade user experience** delivers an intuitive, point-and-click operation for managing data that translates into faster time to productivity.

Actifio CDS™ Gateway features:

- **Accelerated Ingest with Change Block Tracking:** Capture of only the unique changed blocks of application data, resulting in near-zero Recovery Point Objective (RPO).

- **Copy Data Virtualization:** Globally deduplicated object file system manages the application-aware copy data lifecycle across snapshot points in time, storage pools, and even sites. Storage optimization results in up to 95% reduction in the storage footprint in both local and remote sites.

- **Dedup Async Replication:** Actifio-designed network protocol for efficient data movement, optimizing bandwidth usage by only transferring unique data to the remote data stores. In addition to the native global deduplication of data, this protocol drives down network usage by up to 70%. Based on SLA, copy data is continuously rehydrated on the remote site in order to achieve instant access or restores.

- **Dedup Backup Replication:** Actifio-designed method for moving deduplicated to a remote site for long-term retention.

- **Instant Recovery:** By directly mounting the recovered data to a server, no data movement is necessary, resulting in near-zero recovery times.

- **SLA Architect:** Actifio's engine for creating SLAs that define the frequency of snapshots, class of storage to utilize, replication frequency and type, and retention, then mapping to applications and/or hosts.

- **Workflow:** Allows the administrator to schedule and automate the complete data flow including capture, data masking, scripts and LiveClone operations for a powerful, automated, and complete data lifecycle.

System Options

- Base configuration manages up to 15TB of application data

- Option to expand management up to 8PB of storage

- Optional software for object-level SharePoint database and Exchange mailbox recovery

For the most up-to-date information on supported systems and environments, please consult:
http://www.actifio.com/products/deployment/supported-environments/

For more information on how Actifio can manage data simply, visit www.actifio.com.