

# Actifio™ 100T Data Sheet

## What is Actifio?

### Actifio™ is radically simple copy data management.

Actifio's platforms deliver purpose-built storage systems to manage the data protection, availability, and management of applications typically handled by point tools like backup, snapshot, disaster recovery, business continuity, replication, de-duplication, and even WAN optimization. By virtualizing copy data, creating a single "gold copy" available for instant access and recovery, Actifio dramatically improves service levels while eliminating the need for separate tools, saving up to 90%.

## Data Management for Business Resilience and Agility

Actifio 100T is Actifio's Enterprise-class product, designed for large-scale deployments in heterogeneous data center environments. 100T supports a broad range of applications, host operating systems, and third-party storage, and is designed to protect up to 100TB of source application data.

100T is a turnkey storage system that comes pre-configured, including Actifio's software platform and storage. Configurations range from a system capable of protecting 15TB of source application data, up to 100TB environments. 100T integrates seamlessly into any data center, leveraging either the IP network or Fibre-Channel SAN to capture data. 100T will automatically discover applications, physical servers, and virtual servers to capture data. In spite of its significant scale, 100T 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. And, by off-loading copy data functions like snapshot, backup, clone, and replication from both production storage systems, the 100T enables organizations to achieve greater scalability, improved production performance, and higher system utilization.

## Common Uses of Actifio 100T

BUSINESS RESILIENCY		BUSINESS AGILITY	
<b>Data Protection</b>	Restore instantly without waiting for data movement	<b>Application Development</b>	Work on virtual copies of latest production data
<b>Disaster Recovery</b>	WAN-optimized data transfer lowers RTO	<b>Test &amp; QA</b>	Create and destroy test images quickly, efficiently
<b>Business Continuity</b>	Eliminate cost of downtime via Mirroring	<b>Business Intelligence</b>	Accelerate MDM, rapidly build data marts

## Actifio 100T Delivers the Following Benefits

- **Data Center Scalability** with pre-configured systems designed to manage from 15TB to 100TB of source application data.
- **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.

## Actifio Systems

SYSTEM	100T-ROBO	100T-15	100T-30	100T-60	100T-15	100T-75	100T-90	100T-100
<b>Applications</b>	Remote / Branch Office	Department / Test / Dev	Mid-Sized VMware / Oracle / Exchange		Large VMware / Oracle / Exchange Environments		Data Center	

- **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 allows users to simply mount their data from the 100T, 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 100T—Configuration Range from 15TB to 100TB

Actifio 100T 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 De-duplicated 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 de-duplication 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 de-duplicated 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.

## System Options

- Base configuration manages up to 15TB of application data
- Option to expand management to 30TB, 45TB, 60TB, 75TB, 90TB, or 100TB of application data
- Optional software for object-level SharePoint database and Exchange mailbox recovery

## Supported Protected Operating Environments

### Fully Automated Application Integration

- VMware ESX 4.x, 5.x
- Microsoft® Windows 2000, 2003 and 2008
- Microsoft® SQL Server 2005, 2008, and 2012
- Microsoft® Exchange 2007, 2010 and 2013
- Microsoft® Exchange DAG
- Microsoft® Sharepoint 2007, 2010 and 2013
- Red Hat Enterprise Linux®, Advanced Server 5.x, 6.x
- SAP BRTools
- SUSE Linux Enterprise Server 11
- Oracle 10g, 11g

### Application and OS Integration via Command Line

- Novell NetWare V6.5
- Sun Solaris 8, 9, 10
- IBM AIX V4.3.3
- IBM AIX 5LTM V5.1, V5.2, V5.3
- IBM AIX V6.1
- IBM DB2
- IBM iSeries
- IBM z/VSE V4.2
- IBM PowerVM Virtual I/O Server 1.2, 1.3, 1.4, 1.5
- HP-UX 11.0, 11i V1, V2, V3
- Red Hat Enterprise Linux®, Advanced Server 2.1, 3.0, 4.0, 5.0
- SUSE Linux Enterprise Server 8, 9, 10
- HP Tru64 5.1A, 5.1B
- HP OpenVMS 73-2, 8.2, 8.3
- SGI Irix 6.5.28, Altix SLES 9
- IBM N series Gateways
- NetApp V-Series
- ONStor Clustered NAS Gateway

### Storage Systems Support

- Specific models of the following storage systems:
- Compellent SC800
  - EMC Symmetrix DMX and 8000-series models
  - EMC CLARiiON CX-series models and FC4700

- IBM Storwize V3700
- IBM Storwize V7000
- IBM TotalStorage Enterprise Storage Server®, IBM System Storage DS3000, DS4000TM, DS5000, DS6000TM, DS8000, N series
- IBM XIV® Storage System
- Hitachi Data Systems HUS
- Hitachi Data Systems Thunder, Lightning, TagmaStore, AMS, WMS, Universal Storage Platform
- Huawei storage
- Sun StorEdge systems, Sun StorageTek systems, FlexLine 200
- Hewlett Packard MA8000, EMA12000, EMA16000, EVA family, MSA family, XP family, 3PAR
- NetApp FAS
- Bull StoreWay
- Fujitsu Eternus
- NEC iStorage
- Nexsan storage
- Pillar Axiom
- Storage virtualized behind IBM SVC
- LSI Engenio 2600
- Violin Memory

### Host Multipathing Software

- IBM System Storage Multipath Subsystem Device Driver (SDD)
- Symantec/Veritas Volume Manager 3.5 MP3, 4.0, 4.1, 4.3, 5.0
- PVLinks for HP-UX
- MPIO for Windows® and IBM AIX®
- MPxIO for Solaris
- Native NetWare multipathing driver
- Native VMware multipathing driver for VMware ESX 4.X and later
- Native multipathing drivers for OpenVMS, Tru64, SGI Irix

### Support for SAN Switches—Selected Models from the Following Suppliers

- Brocade
- McDATA
- Cisco
- CNT

For more information on how Actifio can manage data simply, visit [www.actifio.com](http://www.actifio.com).

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Radically Simple



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