

Actifio Copy Data Virtualization for Oracle

Actifio offers an innovative platform to address exploding volumes of enterprise data. The concept of copy data virtualization is a strategic approach to data management that can ensure your data is resilient, agile and available whenever and wherever you need it—transforming the way enterprises use data.

What Is It?

Actifio Copy Data Virtualization allows IT to create unlimited virtual copies of data for multiple purposes from a single “golden” copy, eliminating the need for multiple physical copies. This new approach to data management, enables enterprises to achieve:

- **Hybrid Cloud:** Access TDM, Backup, DR functionality everywhere i.e. on premises, Oracle Cloud, and 50+ service providers leveraging Actifio platform.
- **Business Agility:** Release applications faster and better by leveraging Actifio Test Data Management (TDM) For DevOps.
- **Business Resiliency:** Modernize backup and disaster recovery (DR) for the last time.

Oracle Platforms Supported

- **Oracle version:** 10g, 11g, 12c
- **Operating Systems:** Linux RHEL, OEL, SLES, AIX, HP-UX, Solaris, and Windows
- **Supported Oracle Configuration:** Standalone file system, Standalone ASM, RAC with ASM, Data Guard (Physical standby database: Active/Non Active), EXADATA
- **Supported Oracle Database Editions:** Oracle Database Standard Edition One, Standard Edition, Enterprise Edition
- **Oracle Certifications:** Oracle EXADATA Ready, Oracle Database Ready, Oracle Multitenant, Oracle In-Memory, Oracle Linux Ready

Test Data Management (TDM) for DevOps

- **Self Service:** Actifio enables DBAs, dev, qa, build, UAT testers to provision multiple virtual copies of production databases instantly for testing purposes.
- **High performance, writable, and scalable:** Actifio provisions virtual DBs that are writable and highly scalable, thus delivering high performance testing capabilities. Actifio also offers flexibility to leverage fast Fibre Channel and iSCSI protocols.
- **Role Based Access Control:** Actifio admins can control WHO can access WHAT databases on WHICH servers, thus ensuring IT Ops has sufficient controls.
- **Automated Data Masking:** Actifio enables automated data masking by enabling Actifio admins to specify a data masking server, script, and schedule. This ensures that data is masked automatically and testers get access to ONLY masked copies.
- **Automated Data Refresh:** Actifio ingests only changed blocks. Data is then masked and presented back to test environments, thus ensuring that the test environments are refreshed with latest changes from production.
- **Bookmarks:** Testers can bookmark a database at a specific point in time and branch out to a different data version. This is especially useful in creating DB schema changes and then promoting those changes to other test environments.
- **Continuous Integration:** Tools like Jenkins and other orchestration tools can be integrated with Actifio by invoking Actifio API/CLI, thus automating the entire process of virtual DB provisioning.

Backup and Disaster Recovery

- **Instant Recovery:** Recover VLDB in minutes. Actifio copy data virtualization enables users to do instant recoveries and access a multi TB DB in just minutes.
- **Zero Downtime:** Use 'ASM Rebalance' after recovery to achieve ZDT. Helps DBAs migrate live workloads from storage behind Actifio to production storage.
- **Small Backup Window:** After the first full backup, all backups are incremental forever. Actifio reduces the backup window with multiple RMAN channels, and also backing up from multiple Nodes simultaneously in a RAC cluster.
- **Point-in-Time Synthetic Full:** Actifio uses Oracle RMAN incremental merge to achieve point in time synthetic full images in spite of incremental forever backups. In between incremental backups, Actifio can do log backups to enable users to recover to any point in time.
- **Total Control For DBAs:** DBAs can initiate self service backups, restores, and recoveries, and can provision multiple virtual copies from a command line.
- **DB Virtualization:** Actifio enables DBAs to provision multiple virtual copies of production DBs instantly for multiple use cases such as reporting, data integrity tests, analytics etc.

Access all this functionality for backup, Disaster Recovery, Test Data Management using a single Actifio platform anywhere—on premises, at 50+ MSPs powered by Actifio platform, and in public clouds.

Benefits

- Business Agility from self service instant, secure test data management
- Business Resiliency from instant recovery
- Security and Control For CSOs with role based access control and data masking
- Convenience for DBAs to do everything from CLI
- Speed for Testers with self service virtual DB provisioning
- Cloud Mobility from replicating and recovering oracle databases in private, public, and hybrid cloud environments

Learn More

1. Watch 5 min Videos of virtual DB provisioning [here](#) for Oracle
2. For additional information, visit Actifio at actifio.com or email us at info@actifio.com or call us at 877.282.5373

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Radically Simple



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