

APTARE IT Analytics™: Replication Manager

Measure Compliance

One of the critical elements of managing storage within the data center is to ensure that the policies and service level agreements (SLAs) for replication of mission-critical data are being met. Failure to adhere to business continuity plans can put the whole company at risk. APTARE® Replication Manager allows storage administrators to proactively view and monitor storage replication environments by actually measuring if they are in compliance with existing business continuity objectives.

APTARE Replication Manager allows you to:

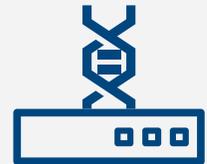
- Compare replication policies to actual replication events to monitor recovery point objectives
- Examine the stability of mirrored data on replication volumes to make sure it is adequately protected and not subject to data corruption
- Ensure recoverability status of split mirror volumes before rollback operations
- Determine replication consistency for applications and databases that span multiple volumes
- Generate automatic notification in the event that mission-critical data replication falls outside its recovery point objective

Maximize Resource Utilization

A major benefit of replication software is the ability to generate multiple point-in-time snapshot copies and provide protection by mirroring these snapshots to remote storage, guaranteeing that the data can be recovered from the latest version. However, this also introduces the problem of wasted storage capacity that is being occupied by obsolete copies—both on the source storage system and on the destination storage system. APTARE Replication Manager allows storage administration to see what storage capacity is truly necessary for snapshot and mirrored volumes and what storage capacity is being wasted.

The solution helps administrators:

- Examine the versions of both local point-in-time snapshots as well as remote mirrored or vaulted copies of these snapshots
- Determine quickly if snapshots or mirrors are out of date and if physical storage capacity can be reclaimed
- Plan for growth of primary storage capacity and secondary disaster recovery storage capacity as replication demands increase
- Issue warnings when replication storage capacity becomes dangerously low



 **MEASURE** compliance, maximize resources, control costs, and improve the overall performance of business continuity environments with APTARE Replication Manager.

Control Costs

The costs to provide protection for mission-critical data using replication technology can quickly escalate out of control. As more data is identified as being “mission critical,” pressure is applied on both storage and networking resources. Also, it is becoming increasingly difficult to allocate the true cost of protecting this data back to the appropriate business unit.

APTARE IT Analytics Replication Manager helps storage administrators get a better understanding of how to manage costs of their data replication environments by:

- Obtaining usage statistics for each individual replication volume at both the source and destination storage systems
- Examining the impact of moving destination replication volumes to lower-cost storage systems (tiered storage) or of changing the retention period of these volumes
- Producing chargeback reports based on replication consumption levels along with associated costs based on user-defined pricing

Improve Performance

One of the main concerns in implementing replication policies is the performance impact these policies have on the underlying storage infrastructure. Although most modern storage replication software solutions use “copy on write” technology to minimize overhead, remote mirroring and cloning operations can have an adverse performance impact.

APTARE IT Analytics Replication Manager can provide storage administrators with knowledge on how to improve the performance of their replication policies, including the ability to:

- Examine replication policy schedules and determine immediately the frequency and duration of replication events from the source to the destination
- See how best to balance storage resources to arrive at a flexible data replication solution using tiered storage

- Understand the details behind remote mirroring operations by knowing their exact duration and throughput metrics and see the trends of these operations over time

APTARE IT Analytics Platform

APTARE IT Analytics is a Web 2.0 platform that delivers comprehensive reporting and management tools for storage environments – from backup to capacity management.

Data Extensible Database

The APTARE IT Analytics platform is based on an Oracle database that sits across the entire product line, pooling management data in a central location. The scalability of the database ensures accurate and reliable data collection and ensures that virtually any type of management information can be collected, analyzed, and shared.

Web 2.0 Convenience

APTARE IT Analytics user interface is built from the ground up on open Internet standards and Web 2.0 technologies. Web 2.0 features—such as “drag & drop” reports, tabbed browsing, and floating dialog boxes—provide effortless access to reports and customization of how you view and organize and share the information you need.

Out-of-the-Box Dashboards and Reports

APTARE IT Analytics provides the most popular reports right out of the box – enabling you to diagnose and manage your environment immediately with minimal training. In addition, easily customized dashboards enable you to tailor your desktop to feature the information that’s critical to you. Email your customized dashboards and reports to other team members in PDF, CSV, or HTML format. Or schedule reports so they are automatically delivered in any time frame you choose: daily, weekly, or monthly.

Specifications

Our Supported Environments datasheet contains a complete list of supported environments for APTARE IT Analytics and can be found online at www.aptare.com.