Using Automated Infrastructure Testing and Monitoring For Seamless Data Center Migrations

Data is on the move in every business. From full-blown data center migrations and platform upgrades to server consolidation and application modifications, vital information is constantly being transferred from one location to the next as businesses adjust their infrastructure in response to changing requirements.

While IT is always under pressure to ensure migrations go off without a hitch, the pressure is especially intense for a data center migration because it touches every aspect of the business and impacts the greatest number of users. The goal is to execute the move with no business interruption while maintaining Service Level Agreements, performance/availability and protection.

But there are major challenges to overcome in order to achieve that goal. These include:

Discovery to assess the current infrastructure, application dependencies, and data protection requirements.

Planning the phased migration of the data center.

Re-Discovery to capture and track the inevitable production changes that will occur throughout the migration process.

Maintaining SLA/RPO/RTO because the organization is at the greatest risk for data loss or downtime during a migration.

Validation/Testing performed to ensure data integrity.

Ensure Success with Automated Infrastructure Monitoring

RecoverGuard automated recovery testing and monitoring software is an innovative solution that automatically scans your production datacenter for configuration gaps and data protection vulnerabilities.

In addition to ensuring recovery readiness and uptime, RecoverGuard can provide you with tremendous visibility into your infrastructure throughout the migration process, ensuring that your new environment is fully recoverable and that all your data assets migrate as expected. With RecoverGuard you can be sure that data is protected and available as planned, confirm that there is no overprotection and validate that there are no data tampering risks.

What's in Your Data Center?

Conducting a comprehensive data center inventory is a time-consuming yet vital step in a migration. RecoverGuard software speeds and simplifies the process by automatically discovering the vital mapping throughout the environment and documenting the relationships and interdependencies between all assets in the data center.

RecoverGuard Helps You Rise to the Challenge

RecoverGuard is an invaluable asset that will help you successfully address the challenges faced during any data center migration:

Discovery: RecoverGuard automates infrastructure discovery, making it easy for you to quickly identify all elements involved with data protection and replication. Elements can be grouped into applications and/or lines of business. Assets like business services, hosts, and databases up to the storage devices are mapped and can be interactively navigated using a topology browser, enabling understanding of relationships and interdependencies between assets in the data center.

Planning: RecoverGuard automatically compiles the discovery results into comprehensive Topology Reports which can serve as a consolidated working document encompassing all storage, platform and database (application) elements for the migration team. This will help you define requirements for the new environment and even efficiently prepare checklists of action items. The reporting framework and detailed analysis provided by RecoverGuard eliminates the painful process of mapping the environment manually with spreadsheets, and enhances the migration planner's ability to focus on the plan.

Re-Discovery: RecoverGuard non-disruptively monitors the infrastructure, identifies any configuration changes that have occurred during normal production operations, and updates the reports, ensuring that the entire migration team always has the most up-to-date view of the infrastructure.

Maintaining SLA/RPO/RTO: When RecoverGuard identifies a data protection error or gap that could impact availability and recoverability, the software immediately issues an alert so IT can resolve the problem quickly. In cases where the new data center is built from scratch, RecoverGuard will provide a reporting and topology framework that enables the planner to understand if the new environment matches the plan's expectation before the actual transition of data and applications, thus reducing risks for data protection or downtime.

Validation/Testing: RecoverGuard's automatic analysis tools and powerful Gap Detection Engine scan storage, databases, servers and replication configurations for vulnerabilities such as unprotected databases or database partitions, noncompliant replication configurations, data that cannot be recovered to a valid consistency point, and much more. You'll locate and resolve them before the business is impacted.

Whether you are undertaking a full fork-lift data center migration, about to cut over to your new environment or approaching the move in phases, RecoverGuard can help you execute a smooth transition that protects corporate data and ensures operations are always up and running

About Continuity Software

Continuity Software™ is a leading provider of Disaster Recovery Management (DRM) solutions. Its RecoverGuard™ software mitigates disaster recovery (DR) risks by detecting data protection gaps between customers' primary production and disaster recovery sites and/or localized DR solution. With RecoverGuard software, customers can now confidently validate their DR strategy, and ultimately, ensure their data protection and business continuity goals.