Accelario Data Copy Module

High-speed, privacy-compliant, continuously refreshed self-service data copy with on-the-fly masking and data transformation

The Challenge: Quickly and continuously provisioning privacy-compliant testing data across multiple, different environment configurations and cloud deployments

Best-practices for software development demand that testing and analyst teams perform their tasks in non-production environments. These environments should be provisioned with data that is as similar as possible to production data to ensure real-world results.

These high-performing teams must also keep up with agile development methodologies calling for high delivery velocity and frequent, incremental releases. This means that data should be provisioned quickly, ideally via automation and integration with CI/CD pipelines, without shutting down production. However, data privacy regulations prohibit the provisioning of sensitive data to less secure non-production environments, meaning that synced data must be continuously masked to ensure compliance.

What's more, organizations are increasingly working on multiple, varied infrastructure configurations -- including on-prem, hybrid-cloud, multi-cloud and cloud managed databases -- to benefit from the agility and other efficiencies of the cloud.

Enterprises using existing data copy tools to provision their testing data are struggling to meet the needs of their teams. Building out test environments often requires significant DBA, System or DevOps resources, which often creates bottlenecks; even when resources are available, the process is long, tedious and frequently results in production downtime. Additionally, while the inherent flexibility of cloud infrastructure makes it especially suited for managing non-production environments, most data copy tools weren't designed to provision data on different infrastructures.

The Solution: An easy-to-use, self-service data copy portal that integrates with CI/CD pipelines, masks data on-the-fly and optimizes the copy process for every environment

Accelario Data Copy Module is a self-service portal that removes reliance on DBA experts by empowering teams to easily and quickly copy data with the click of a few buttons. The module includes permission management capabilities to ensure that only authorized personnel can perform self-service operations. An advanced, logical copy engine creates databases 4-20 times faster than standard tools and automatically optimizes the process to support data copy in any environment.

On-the-fly masking during the copy process prevents any sensitive data exposure and renders the masking time negligible. Subsetting capabilities empower teams to copy only relevant test data, saving capacity and ensuring a smaller footprint. Full support for Restful APIs enables full data automation via seamless integration with CI/CD pipelines and automation tools. Continuous sync with automated on-the-fly masking and subsetting delivers fresh data that meets testing and analyst requirements for relevant data that maintains production integrity, format and original code.

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The Accelario Advantage

> **Easy-to-use**
A simple self-service portal enables authorized personnel to perform data copy processes with just a few clicks, and without DBA support.

> **Full automation**
Using Restful APIs, it's possible to integrate Accelario Data Copy with CI/CD pipelines and automation tools like Jenkins.

> **Relevant, fresh data every day**
Schedule full or data-only refreshes that maintain original code structure to ensure relevancy for testing and analyst purposes.

> **Accelerated data copy that complies with privacy regulations**
Logical copy and on-the-fly masking enable copy speeds that are between 4-20 times faster.

> **Requires less capacity**
Subsetting and on-the-fly data transformation that supports renaming, schema changing, compression and more delivers a significantly smaller footprint.

> **Hybrid cloud and multi-cloud**
Build test data environments for on-premises, IaaS and PaaS including managed databases.

> **Support high-speed data copy for different structures**
A built-in autonomous decision engine automatically analyzes the configured dataset to identify the optimal copy plan, unique algorithms and advanced inter and intra-parallelism and chunking for data copy technologies that suit any environment.