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PRODUCT OVERVIEW

Protect your data with Smart Database Replication for Netezza

Traditional Netezza Database Replication Services are omnidirectional in nature, complicated to configure and costly to maintain. Smart Database Replication revolutionises your disaster recovery infrastructure with a competitively priced fully managed bidirectional multi-master recovery capability offering mean time to recovery (MTTR) and recovery point objective (RPO) measured in minutes

Smart Database Replication Features

- ☑ Works with any kind of storage media (including NFS, Spectrum Scale, SAN/NAS, etc.) across multiple sites
- ☑ Bi-directional, multi-master in nature (from anywhere to anywhere, including multiple targets replicated from the same backup source, or the restoration target being on the same physical appliance as the backup source itself)
- ☑ Backup/restore increments can be as frequent as you like (from minutes to days). Multiple different concurrent backup sets supported per appliance
- ☑ Can backup/restore subsets of tables within a database (and even subsets of rows within a table)
- ☑ Ideal for Disaster Recovery, as well as Development/Test database population using sampled referentially intact subsets of production data
- ☑ Can be used to balance query workloads across multiple servers to make better use of existing assets

Near real time failover

A key success factor for any disaster recovery capability is fast mean time to recovery (MTTR) and short recovery point objective (RPO) that guarantees minimal disruption to the business when the primary system fails. By design, Smart Database Replication keeps your primary and secondary system(s) fully synchronised allowing near time cutover in the event of a system failure whether it be caused by hardware failure or natural disaster.

Ease of installation and operation

Customers do not have to retain skilled resources to configure, manage and operate their database replication themselves – the service provided includes: installation; configuration; initial synchronisation; ongoing monitoring; detection and resolution of replication issues; etc.

Multi-master design

Replication is bi-directional, negating the requirement to maintain a Netezza system solely for the purposes of replication and data recovery. Each NPS can be both the source of one replicated database and the target of another replication set at the same time. As such, even without a disaster, database replication enables customers to divide their data, users, and workloads between multiple appliances for improved performance, concurrency and throughput

Simplicity

Smart Database Replication runs automatically in the background with no customer intervention, custom development or scripting. No complex firewall rules are required, and there is no need to perform any storage management (cluster configuration) on the NPS hosts as the existing mount points used for backups can be automatically detected and reused

Full or Partial Database Replication

For businesses requiring only a subset of their source data to be replicated, e.g. in the event of the secondary system not having sufficient capacity to store a copy of all the data on the source, Smart Database Replication offers a partial DR capability allowing a level of flexibility not provided by other Netezza replication tools.

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