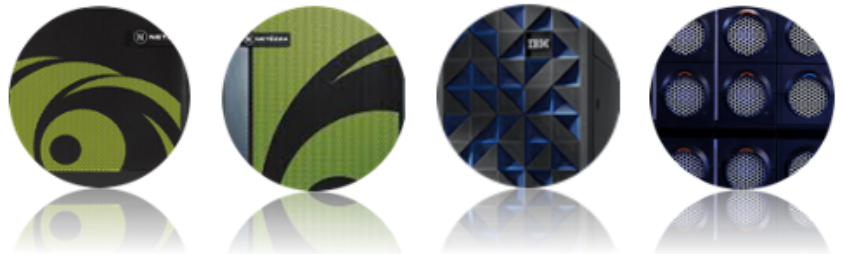
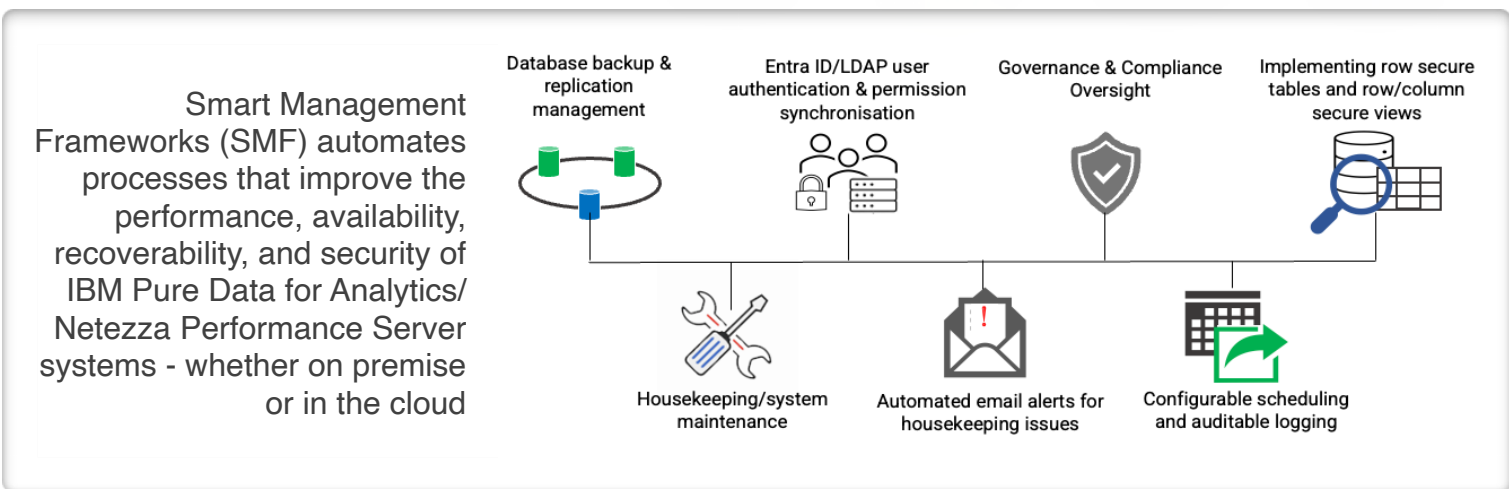


PRODUCT OVERVIEW

Managing your IBM Netezza[®] appliances just got a whole lot easier



Smart Management Frameworks



Smart Database Replication

Smart Database Replication allows customers to replicate their Netezza databases in near real-time (you choose how frequently you want to replicate changes between systems, according to workload, data volatility, bandwidth, and Recovery Point Objectives (RPO) considerations). Mean Time to Recovery (MTTR) can be measured in the minutes it will take to repoint your DNS servers to the DR system; but even without a disaster, database replication potentially enables customers to divide their data, users, and workloads between multiple appliances for improved performance, concurrency and throughput.

Key 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.

Smart Access Control

Smart Access Control removes this risk of unauthorised access, and potential breaches of corporate data security policies, with an automated process that ensures all permissions on the Netezza system are kept synchronised with the Entra ID (formerly Active Directory)/LDAP servers.

Key Features:

- Dynamic creation/dropping of database users and groups based on synchronised Entra ID (Formerly Active Directory)/LDAP master data.

- Dynamically builds row secure tables, and applies security labels to their contents, based on parameter settings and configurable matching rules.

Smart System Management Supergroom

Identifies which objects have been modified within a selected number of days and performs a selective grooming operation. It also checks if groom/genstats have been run yet against the changed tables since they were last updated. If not, the identified tables will have a groom and genstats performed.

Key Benefits:

- Takes less time than manual grooming.
- Frees up more capacity/space.
- Doesn't interrupt/delay replication processes for hours.
- Makes queries go faster (due to updated statistics being available to the optimizer, and less rows having to be read off disk and later thrown away due to them being old versions of updated/deleted records).
- Is fully customisable/automated.
- Maintains an internal audit log of operations performed.



Smart Governance

Allows customers to monitor the database access controls, or permissions, that have already been implemented, as well as checking if someone is trying to do things they shouldn't be doing.

Features:

- Allows customers to define what database activities they want to be detected and reported on.
- Flexible framework that uses configurable parameters to customise these events, their frequency, and method of alerting. To detect that a criterion has been met, it interrogates system tables and logs. The timing of the alerts, which can be via email or a messaging app, will depend on how frequently the system tables are updated but can occur in near real time.
- Alerts can be directed to DBAs, and/or to any manager such as the Chief Security Officer or their team to ensure that the appropriate follow-up actions are taken.

Pricing

SMF module subscriptions are licensed by system, payable annually, and pricing will vary depending on the following factors:

- The number of systems covered, and modules licensed.
- Volume and non-production discounts applied.
- If delivered as a managed service, and depending on the hours covered (24x7x365, or Office Hours only).

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