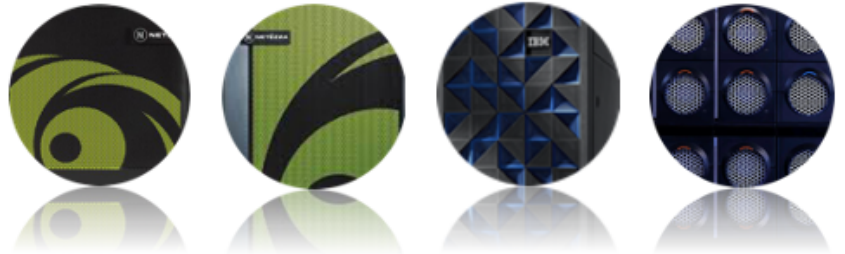


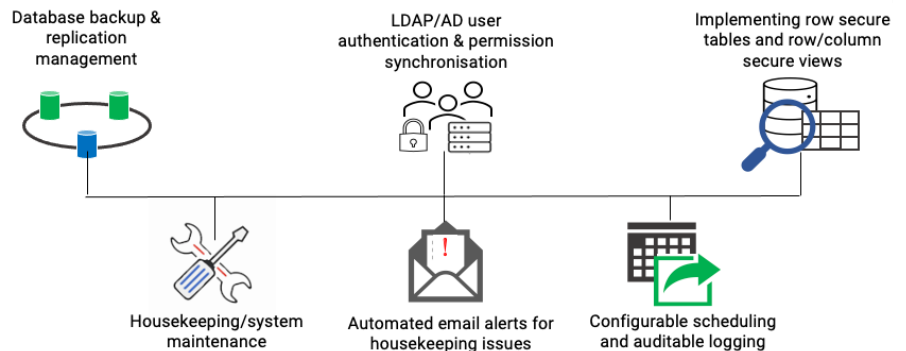
PRODUCT OVERVIEW

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



Smart Management Frameworks

Smart Management Frameworks (SMF) automates processes that improve the performance, availability, recoverability, and security of IBM Pure Data for Analytics/Netezza Performance Server systems - whether on premise or in the cloud



SmartSafe Module 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

SmartSecure Module Features

- Dynamic creation/dropping of database users and groups based on synchronised LDAP/Active Directory master data
- Automatic addition/removal of users to/from groups, as well as granting/revoking of permissions to/from groups
- Provides row and column-level access control security model for both users and groups
- Dynamically creates views that automatically either reveal or obscure secure row/column values when queried, depending on the user performing the query, the permission groups they belong to, and the contents of the column-level access control security model
- Automatically rebuilds or drops views when the underlying base table's schema changes or is dropped
- Automatically re-synchronises column-level user/group permissions with LDAP master
- Assists with the management and application of security levels, categories, and cohort security labels

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

- Disconnects idle sessions outside of permitted hours of service and performs online vacuums against the system catalog host database. Can also optionally schedule a service window for periodic 'manual' vacuums

SmartSure Module Features

- Dynamically generates, schedules, executes, and logs a variety of system management tasks essential for consistently optimal query performance
- GROOMS versions of altered tables, as well as changed/deleted rows in the most performant way. Automatically detects when RECORDS ALL is needed e.g. as a result of a changed ORGANIZE ON setting
- Generates statistics for only the tables whose contents have changed since the last time it was run

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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