merlon software corporation

The Complete Database Solution for HP NonStop

GTUG

http://www.youtube.com/watch?v=utiiuPyvjC8&feature=youtu.be

Software Components

- SQLXPress – NonStop SQL
- Discover – Disks and Files
- MARS - Reloads
- Partner - Partitoning
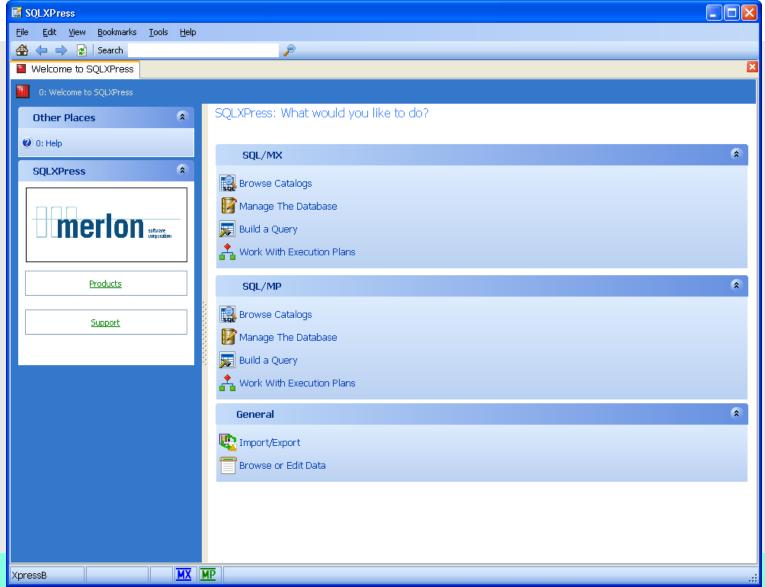- Mpress – Report Writing

SQLXPress

SQLXPress Client Home Page

SQLXPress

- Companion Product for NSK SQL Databases
  - Database administration
  - Data browsing and editing
  - Visual query builder
  - Execution plan management
  - More
- For use by
  - DBAs, developers, technical support, other users

SQLXPress Features

- Modern Windows® client interface
- Efficient NonStop SQL database drivers
- Online and batch NSK components
- No extra middleware required
  - No Pathway
  - No ODBC
  - No RSC
  - Supports MP and MX

SQLXPress Benefits

- Improves availability
  - Reduce incidence of operator errors
  - Perform offline maintenance tasks faster
- Helps ensure optimal performance
  - Execution plan management
  - Compare execution plans after a change
  - Query Analysis and prototyping
- Reduces complexity
  - Identifies object dependencies
  - Group SQL objects / programs by environment

SQLXPress Benefits

- Improves productivity
  - Partition data analysis for split, move, reload
  - Rapid graphical query development
  - Ad-hoc SQL data browsing and editing
  - Data import / export
    - XML/CSV/Oracle/DB2/MS SS/Access/MySQL
  - SQL Scripting Language – MSCRIPT
  - Create DDL scripts for Replicating ad Mapping Environments
  - DUP for moving data
  - All with no programming required

SQLXPress Benefits

- Enhanced Security
  - SQL object access restrictions (via "Environments")
  - Encrypted logon
  - Optional session data encryption

Discover

Discover

- Self-management for files and disk volumes
  - Monitoring
  - Alarms
  - Reporting
  - Choice of automation strategies
    - None (operator intervention required)
    - Semi-automatic (using "worksheets")
    - Fully-automatic (no intervention required)

Discover Features

- Windows based client
  - Used for configuration, status monitoring, and reports
- NSK based client interface
  - Supports client connections
- NSK based monitor process
  - Monitors files and disk volumes
  - Performs actions based on detected conditions
  - No middleware required

Discover Benefits

- Avoids unplanned application outages
  - Predicts file full, disk full, extent allocation failures
  - Takes preventive measures to avoid problems
    - Increase maximum extents
    - Preallocates extents
    - De-fragments disks

Discover Benefits

- Helps maintain data integrity
  - Detects changes in AUDIT file attribute
  - Detects files that require rollforward
  - Detects broken, corrupt, and crashopen files

Discover Benefits

- Monitors file security
  - Detects unauthorized licensed and progid-ed files
  - Detects changes in license and progid attributes
  - Detects changes in file security and owner
  - Detects orphan files
- Identifies "wasted" disk space
  - Unused extents, old files, orphan files, un-reclaimed space, too much slack space

Discover Benefits

- Improves availability
  - Reduces risk of human error
  - Anticipates potential problems before they occur
    - Generates alarms via EMS or via e-Mail
- Improves productivity
  - Reduces workload of DBA and system manager
  - Gets more done compared to manual methods

Discover Benefits

- Enhances capacity planning
  - Reports and charts
    - Disk volume space usage, history and predictions
    - File space usage, history and predictions
    - Space allocation by user
    - Space allocation by file groups (log files, temp files, code files etc.)

MARS

MARS

- Self-management for online database reloads
- Supports
  - NonStop SQL MP
  - NonStop SQL MX
  - Enscribe

MARS Features

- Windows based client
  - Used for configuration, status monitoring, and reports
- NSK based client interface
  - Supports client connections
- NSK based monitor process
  - Monitors database files and manages reloads

MARS Benefits

- Optimizes performance of OLTP and batch
  - Reduces number of index levels
  - Eliminates disordered data
- Improves disk utilization
  - Reduces excess slack space
  - Eliminates unused data blocks

MARS Benefits

- Improves availability
  - Reduces operator error
  - Only runs reloads in off-peak hours
  - Continuously monitors system resource usage
  - Suspends processing when resources are low
- Reduces overhead
  - Files are only reloaded when required
  - Sampling used to minimize cost of file analysis

MARS Benefits

- Flexible configuration
  - Weekly reload calendar
  - Files can be segregated
    - Based on name pattern, file type, audit, owner
    - Triggers for index levels, disorder, slack, free blocks
    - Reload at different times
    - Custom reload parameters
  - Thresholds for system resource utilization
    - CPU, disk, TMF resources

Partner

Partner

- Partition key analysis for Enscribe files
- Calculates boundary keys for (re)loading partitions
- Generates script template for FUP

Partner Features

- Simple command-line interface
- Run from TACL prompt

Partner Benefits

- Low system overhead, even for very large files
- Fast, produces results in minutes
- Accurate, user specifies tolerance

MPress

MPress

- On-host report builder for NonStop servers
- Supports:
  - NonStop SQL/MP
  - NonStop SQL/MX
  - Enscribe

MPress Features

- Graphical report designer
  - Runs under Windows
  - Not required to run reports
- NonStop server based reporting engine
  - Run reports from TACL or NetBatch
  - Fast database and printer drivers
    - Up to four times faster than ODBC-based products
    - No middleware required

MPress Benefits

- Rapid report design
  - No programming required
  - Graphical, component based designer
  - Print preview
  - Wizards for common tasks
  - Run report online
  - Generate TACL script for running report

MPress Benefits

- Multiple report layouts
  - Form letters
  - Invoices
  - Columnar
  - Summarization
- Flexible report organization
  - Page and group headers and footers
  - Title and summary pages
  - Portrait and landscape in same report

MPress Benefits

- Wide range of formatting options
  - Multiple font styles and sizes
  - Monochrome or Color
  - Graphics
  - Charts
  - Watermarks
  - Flexible data formatting
    - Cobol-like PIC strings
    - C printf-like format strings

White Paper – Graphical DB Management Solutions for MX

- Written by Debra Labanowski – ATC lab
- Compares what's available for MX
- Is available to any customer under NDA
- SQLXPress, MXDM,NSM/web
- Email me pettifer@merlon.com for the link
- Is anyone moving from MP to MX?

- http://www.youtube.com/watch?v=utiiuPyvjC8&feature=youtu.be

Summary

Merlon is the only one providing a complete db solution for Nonstop – SQL MX, MP and Enscribe

In business since 1996 – well referenced with many customers and from HP

All solutions can be downloaded and evaluated

Http://www.merlon.com