

Clareti VME

DB/Fastdump

Transforming the way VME works for you

10 times faster than the standard utility, providing the fastest backup of IDMSX databases

DB/Fastdump is the definitive dumping system for VME. It is the fastest and easiest method of dumping an IDMSX database – streamlining your operations and releasing both processor and operator time for other uses.

DB/Fastdump's only speed restriction is your hardware. It reads databases at speeds of more than 2mb per second, making it the fastest method of dumping possible. Dumping times are typically reduced by between 50% and 90% depending on the database loading when comparing similar runs IDMSX_DUMP.

The software also produces true tape journals from disk journals, thus effectively duplexing the journal and avoiding the need to restore the dump.

DB/Fastdump self adjusts to any output media, dumps Recman files and databases and can produce simultaneous duplex dumps to either disk or tape.

The combination of DB/Fastdump and its sister product DB/FastIC (Offline Integrity Check) fully automates and speeds up your security processing time.

Benefits

- Fastest security dump – freeing machine time for other operational requirements.
- Vastly reduced use of dump media saving backup overheads and disk space.

- Enables more frequently security runs.

- Automatically adapts to any change in output media.

DB/Fastdump

- Dumps IDMSX data, Recman files and relational databases.
- Does not copy IDMSX overheads saving media and time.
- Optionally produces a duplex dump with no performance overheads.
- Optionally produces a range of printed reports.
- Passes record population statistics to the DB/Sizedata database modelling utility.
- Automatically detects and reports any IDMSX page format errors.

DB/Fastdump streamlines your operations & releases both processor & operator time For other uses.

Technical Overview IDMSX Databases.

- Security dumps of your database, which can including (DOS) Data Dictionaries, are taken by copying your IDMSX format database to a DB/Fastdump format serial dumpfile.
- Restore all or part of your database, by copying a

DB/Fastdump dumpfile back to your IDMSX database.

- Database Utilisation reports may be generated without the need to carry out an actual dump or an actual restore of the database.
- Perform user-defined serial processing of your database, at very high speeds, without actually carrying out a dump or restore of the database.

Conventional Flat- Files and Non-IDMSX Databases

- The FAST_DUMP_FILES and FAST_RESTORE_FILES procedures carry out security and recovery of conventional files and non-IDMSX databases
- FAST_DUMP_FILES and FAST_RESTORE_FILES are similar to their database-file equivalents but have no knowledge of the structure of the data within the files to be processed and are therefore capable of handling any type of VME file.
- FAST_DUMP_FILES can dump up to 200 VME primitive files in a single call.

- Data compression is provided in the form of an algorithm which packs multiple occurrences of words (4-bytes)

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DB Fastdump the market leader

- If a VME file is supported by more than one primitive file, each primitive file is named separately.

IDMSX Journals

- The FAST_COPY_JOURNAL procedure ensures that journals and their catalogue description are consistent before starting.
- FAST_COPY_JOURNAL employs large multi-block transfers when reading the disc journal and writes variable length blocks to tape, to make most efficient use of the medium.
- FAST_COPY_JOURNAL knows it is writing to tape, therefore it employs block level serial queue transfers, for optimum speed.
- FAST_COPY_JOURNAL also allows for the simultaneous writing of duplex copy journal to tape.

About Gresham

Gresham Computing plc (LSE:GHT) specialises in the provision of real-time financial solutions to banks and corporates, and has a well-deserved reputation for technical excellence, reliability and a strong service culture. Our storage division helps the largest data users to better manage the unrelenting growth of data.

Further information

For more information on how Clareti System Management can help your company visit

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