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COMPUTER SOFTWARE

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PowerSort

PowerSort can sort huge amounts of data at extremely fast speeds!

PowerSort was developed to provide accurate and extremely fast sorting capability of large files for processing of lists and databases.

PowerSort can process an unlimited number of files and user defined fields that can output to multiple file formats to create single or multi output files.

PowerSort is able to organize records in ascending or descending order with multi-tiered nesting, plus any additional information defined by the any groupings.

PowerSort runs under multiple operating systems (Windows, Linux, and UNIX) with a lights-out option via command line mode.

For easy conversion, PowerSort is backward compatible with Anchor File Sort GPU.

PowerSort uses simple syntax that provides the user greater control of the sorting process. It is a multi-threaded application that can take full advantage of processor type, size, and memory capabilities, with low impact on the CPU to process other jobs.

Example:

If the user defined field is to sort all ZIP Codes (primary key) in descending order with City names (secondary key), County names (third key) and First Names (fourth key) in descending order, then the application will first sort by Zip Code and then apply the City, County, and First Names that fall in that Zip Code as a nest.

75068	Little Elm	Denton County	Tom
75068	Little Elm	Denton County	Laura
75068	Little Elm	Denton County	Jason
75068	Little Elm	Denton County	Amy
75025	Plano	Collin County	Melissa
75025	Plano	Collin County	Kyle
75025	Plano	Collin County	Krystal
75025	Plano	Collin County	Jack
75024	Plano	Collin County	Sidney
75024	Plano	Collin County	Patrice
75024	Plano	Collin County	Mark
75024	Plano	Collin County	James

Full control of speed and resource usage!

PowerSort features multiple sort types and processing options, allowing the user to control speed and processor usage.

- Smart – this option samples a small percentage of the data and determines which type of sort is best to perform (Quick or Heap).
- Quick – this option sorts randomly sorted data in the fastest manner.
- Heap – this option analyzes data to detect patterns, to best increase the sort performance.

Processing power options allow the operator to control how PowerSort uses computer resources. Full Power allows the application to use the systems capabilities to its fullest extent. This option can be turned OFF and the application will NOT utilize as much CPU as possible. This minimizes the use of system resources, while still sorting quickly to allow the user to perform additional tasks. The operator can also use the Logging Function, which creates a detailed log of what the performance is over the time spent in each step of the sort process for evaluation and tuning.

Features

Runs under Windows, Linux, UNIX

Runs as an EXE (GUI) or in command line mode

Multi-file inputs, produces a single output file

Accepts fixed length records file, Dbase file, CRLF-Delimited records file, Comma-delimited records file, ODBC (Excel, Access, etc.), Custom-delimited records file, SQL compatible databases, and ADO

Can be integrated into existing processes

Sort in Ascending (default) or Descending order

Backwards compatible with Anchor File Sort GPU

Does not require Layout Manager to obtain the record position.

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