

Clareti VME

Sizedata

Transforming the way VME works for you

IDMSX Database Capacity Planning & Accurate Prediction Of Data Volumes

Overview

Sizedata is a VME based capacity-planning tool. It optimizes database performance through accurate prediction and monitoring of data volumes on a continuous basis.

The software estimates database life and suggests measurement intervals. It allows databases to be viewed, created, amended, deleted and modelled based on projected growth and archiving policies.

Sizedata is a vital planning and modelling tool for configuring IDMSX systems. It accesses and produces details at area and database level. It can monitor records, sets and indexes and can provide reports to the screen or to listing files.

It is an important part of Gresham's database product range and is supported by the most experienced independent support service available to IDMSX users.

Benefits

- **DATABASE MEDIA SAVINGS**
Sizedata gives accurate and up to date data values for file sizes based on an expected database life span - removing the necessity to allocate disk space 'just in case'.
- **REDUCED RE-ORGANISATIONS**
Sizedata ensures that databas files are allocated using the latest information - An inaccurate or out of date manual sizing exercise can result in either

wasted space, or a full database. management of peripherals.

- **FORMAL DOCUMENTATION**
Sizedata provides a formal method of documenting the factors that will determine change within the operational database, in terms that the user can easily understand and agree beforehand.
- **OPTIMUM CONTROL OF OPERATIONAL DATABASES**
Sizedata provides the means to understand change. It enables you to accurately predict data volumes on a continuous basis. The software helps to control the factors, which would otherwise result in a degradation of service to end-users
- **RAPID REPORTING**
Sizedata's monitoring facilities ensure that if there are changes after the database is implemented, e.g. an increase in the number of records, or legal requirements for holding historic data an early warning is issued.

- **A COMPLETE AUDIT TRAIL**
Sizedata produces formal statistics and a full audit trail of amendments.

Technical View

Sizedata is a software tool that enables accurate capacity planning for any IDMSX database.

- **VME BASED INTERACTIVE MAC INTERFACE.**
Data is presented directly to Sizedata

from the IDMSX description of the database and operations database itself.

- **BATCH MODEL LOADING FACILITIES.**
Sizedata not only supports a fully interactive method of inputting and updating information on its own model, but also has a keyword batch interface, which makes it easy to load the static structure descriptions of the database in seconds. Corresponding unload facilities allow transfer of data from one model to another.
- **FULL REPORTING FACILITIES.**
Reports of model contents, including cross-reference and validation listings are provided.
- **GROWTH AND ARCHIVING POLICIES.**
These are used to describe, in formula terms, the factors which cause the record populations to change. This means that it is not necessary to calculate final populations - Sizedata does it automatically, for the life span of the database.
- **PHYSICAL IMPLEMENTATION MODELLING.**
Sizedata supports all physical storage and access implementation mechanisms and provides prototyping facilities to give an indication of the effects of space usage.

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- ENTITY POPULATION MODELLING.
Trial modelling of basic entity populations may be carried out even before physical information on IDMSX record types is available.
- DB/FASTDUMP FEED FILE.
Once a database is operational, the corresponding Sizedata model may be frozen, by applying actual area sizes and an implementation date. This gives Sizedata a true time-frame to work with, from which it can calculate estimated populations for any date in the future. Gresham's fast data security system, DB/Fastdump, can be used to generate a feed file containing actual population data, which is then compared by Sizedata with the operational model, producing detailed evaluation reports, either for all parts of the database, or just for those which have deviated beyond a given threshold. Such information is vital to provide early warning of unexpected change.

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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