

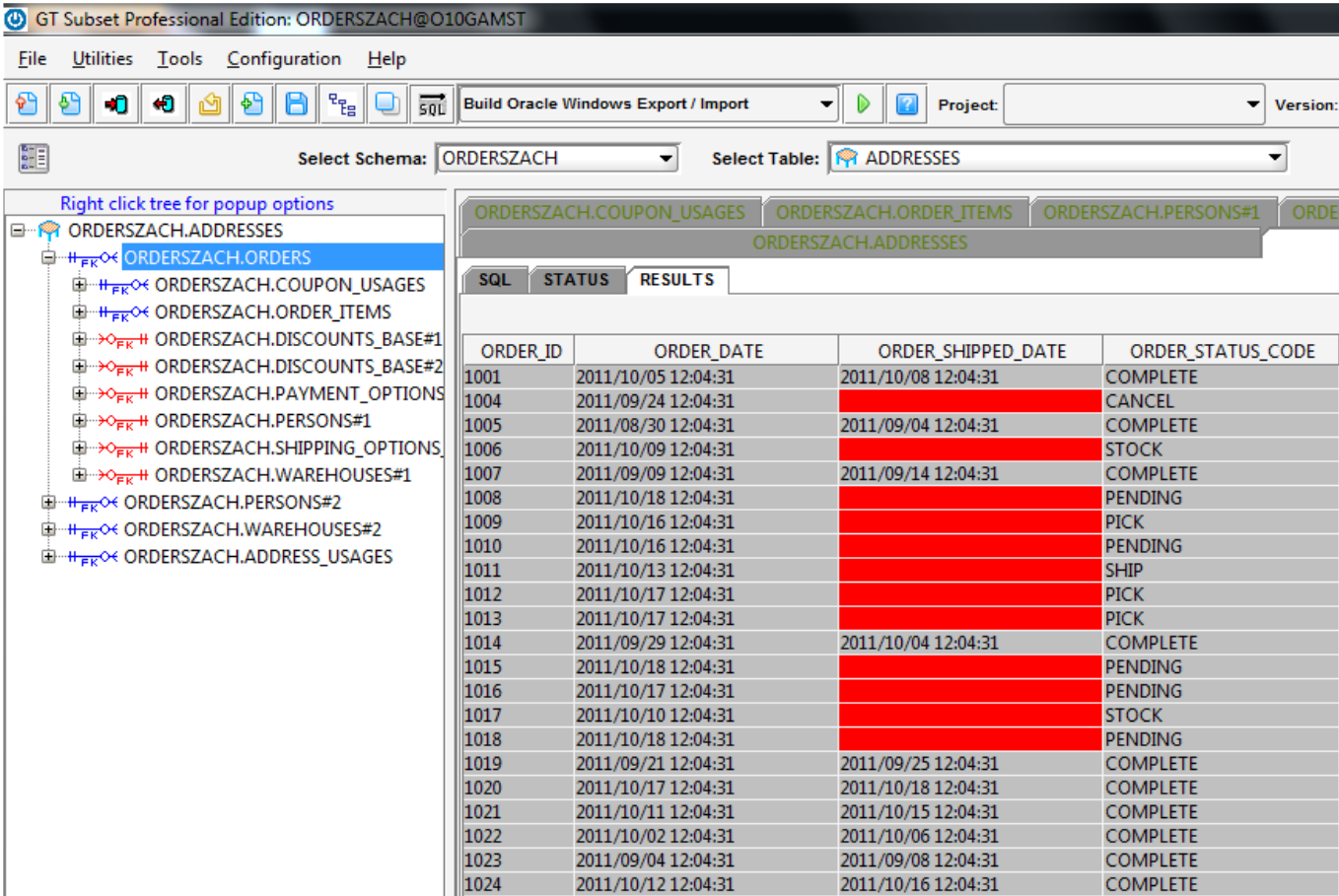


## Data Subset™ Technical Product Sheet

# Data Subset™ - Powerful Database Subsetting

Data Subset™ is a robust data subsetting tool that enables you define and extract smaller, more relevant sets of data to improve the quality of your data. Powered by Datamaker™, Data Subset™ allows users to define the sets of tables to be extracted, add in your own relationships and define your own selection criteria. Data Subset™ also uses native database utilities to migrate the data, meaning that you can easily incorporate the generated scripts into your exiting test data management framework.

Data Subset™ is also available as part of the Enterprise Data Masking™ suite of tools, and can de-identify or mask your data as it is being extracted from the production copy.



Datamaker™ allows you to define the relationships you need to subset the required data for non-production. These selection criteria can be controlled at any level. As Data Subset™ generates scripts that use the native database utilities to migrate your test data, the result is manageable, relevant sets of data, with full referential integrity, that can be quickly and easily incorporated into your own job schedulers.

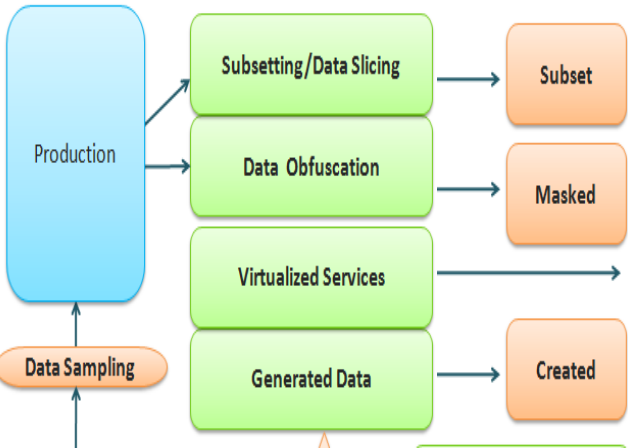
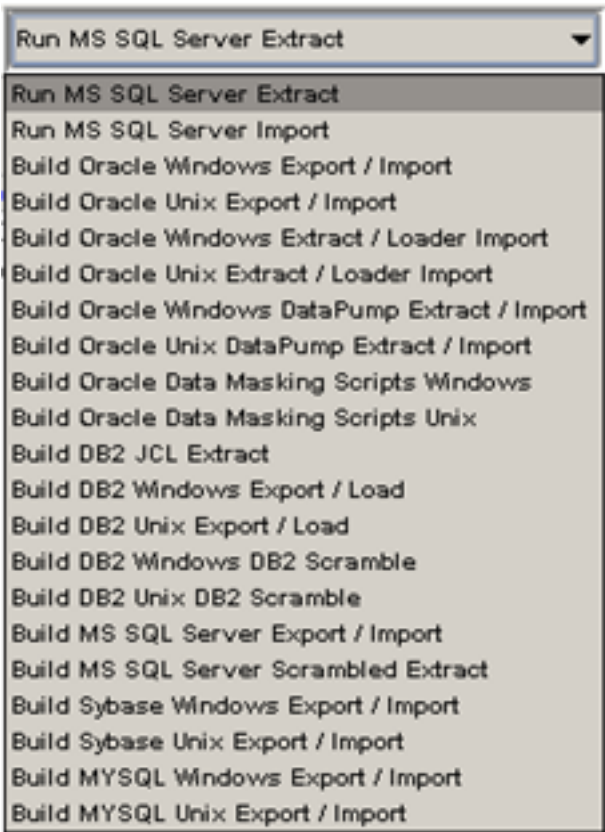
# Data Scrambling

Data Subset™, a component of the Enterprise Data Masking™ suite, allows you to apply data anonymization functions to the extract. These functions include:

- Randomisation
- Seed table lookup
- Key hashing
- Fixed value replacement.

The process allows you to identify which columns need to be secured and what functions need to be applied to enable this security. In the case of key columns, the function will be automatically applied to related columns across your data model.

In addition to this, your existing data manipulation functions can be incorporated as part of the secure data de-identification or masking process.



*The Datamaker™ test data management suite enables you to subset, de-identify and generate synthetic test data all from one tool.*

<b>Feature</b>	<b>Benefit</b>
Create data where no data exists.	Allows standardized and easy creation of test data.
Data can be edited using spread sheet functionality.	Users can quickly view and edit data in familiar environment.
Data can be edited in situ and copied between different schemas.	For changes to test data you can update cells and rows using the editor. Useful test cases can also be extracted from production and moved to testing for further editing.
A Meta-Model is built up as you create data.	As you edit data relationships between matching tables can be added. These can be created using constraints, naming standards etc. This Meta-Model allows you to create data such that all database links are valid within your test databases.
Data quality will be checked.	The test data created can be checked to make sure all table links are valid. This can be performed before and after a system test to make sure the test is successful.
Reference and seed tables can be used to randomize data.	You can populate seed tables with your own data so that any generated data will match values familiar to the user.
Powerful randomization functions.	A rich range of functions is available as well as increment functions and randomizing on existing lists of data in standing tables.

<p>The Meta-Model information can be used to create subset Data Subset™ supports all major RDBMS's, including Oracle, SQLServer, DB2, MYSQL etc as well as all major platforms including, UNIX, Linux, Windows, I-Series, z/OS etc. databases.</p>	<p>The same set of relationships used to define data can be used to extract subsets of data using the Data Subset™ product.</p>
<p>Create high volume test databases.</p>	<p>When publishing data to production you can repeat the process many times allowing you to create high volume sets of data that maintain business integrity.</p>
<p>Build a test data repository for all your applications and databases.</p>	<p>The tool can be used across multiple RDBMSs and applications. Store your test cases in one place.</p>
<p>Invalid data creation.</p>	<p>For some test cases, invalid data needs to be created. These test sets can be added as required for testing of particular programs.</p>
<p>Security layer.</p>	<p>Data can be copied from production, de-sensitized and then released for other users to use as standard test cases. This allows real life test cases to be used, however, data has to be masked before release to developers and testers.</p>
<p>All pairs Data Creation</p>	<p>You can call out to scientific algorithms to build sets of all combinations of pairs or triples of values.</p>
<p>Manage your capture and replay tools such as Quality Center, LoadRunner and Facilita from within Datamaker™</p>	<p>Data used to control your Facilita, LoadRunner, Quality Center and other tools can be imported and managed from one location. This allows you to create data for test scripts and their matching database table data from one tool.</p>

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Grid-Tools software enables database users to achieve legal compliance, to increase the productivity of their IT staff and to improve the price/performance of their infrastructure. Grid-Tools solutions apply to test data management and information lifecycle management. For further information visit [www.grid-tools.com](http://www.grid-tools.com).

*Without the Grid-Tools data generation product, the tight delivery dates for our project could certainly have slipped.*

**Richard Buckley,  
Technical Director,  
Applied Card  
Technologies**

*Datamaker™ was cost justified on a saving of one hour per developer per week. We are already saving more than that per day.*

**UK central government**

*In truth, I would be surprised how anyone launching a big system can do without something like this. I think it is a mandatory thing to do.*

**Barry Williams,  
Commercial Director,  
sQuidcard**

*Datamaker™ is installed inside a major UK government department that cannot afford to be seen to flout the data protection laws. If you have similar concerns then you could do worse than contact Grid-Tools to find out more.*

**Bloor, Independent  
Research Company**

*Datamaker™ contributes directly to the quality and speed of delivery of the final product, achieving the valuable 'double' of reducing costs and improving our quality of service.*

**Global Financial Services  
company**