



# GT Subset Technical Flyer

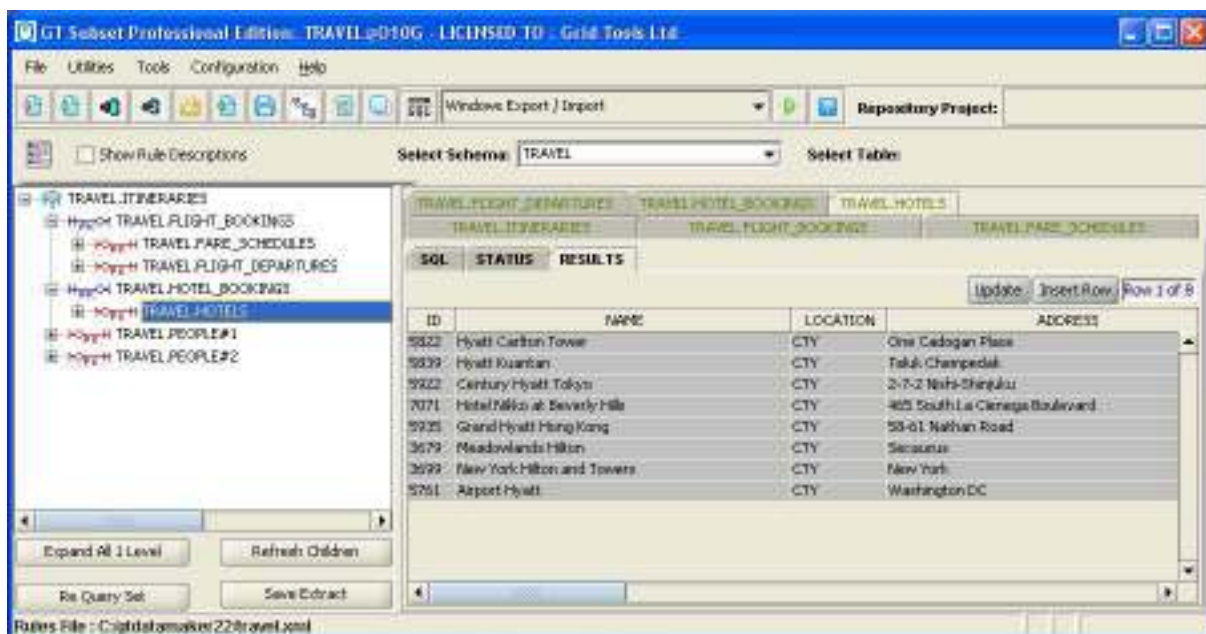


## GT Subset - Powerful Database Subsetting

GT Datamaker contains a powerful subsetting tool, GT Subset allows you to define sets of tables to be extracted, add in your own relationships and define selection criteria. GT Subset uses native database utilities to migrate the data allowing you to incorporate the generated scripts into your existing test data management framework.

GT Subset can also scramble or anonymise your data as it is being extracted from production.

Datamaker provides a complete Test Data Management system, allowing you to subset, scramble and generate data as you need it.



*Design your extracts, then generate scripts to migrate your data*

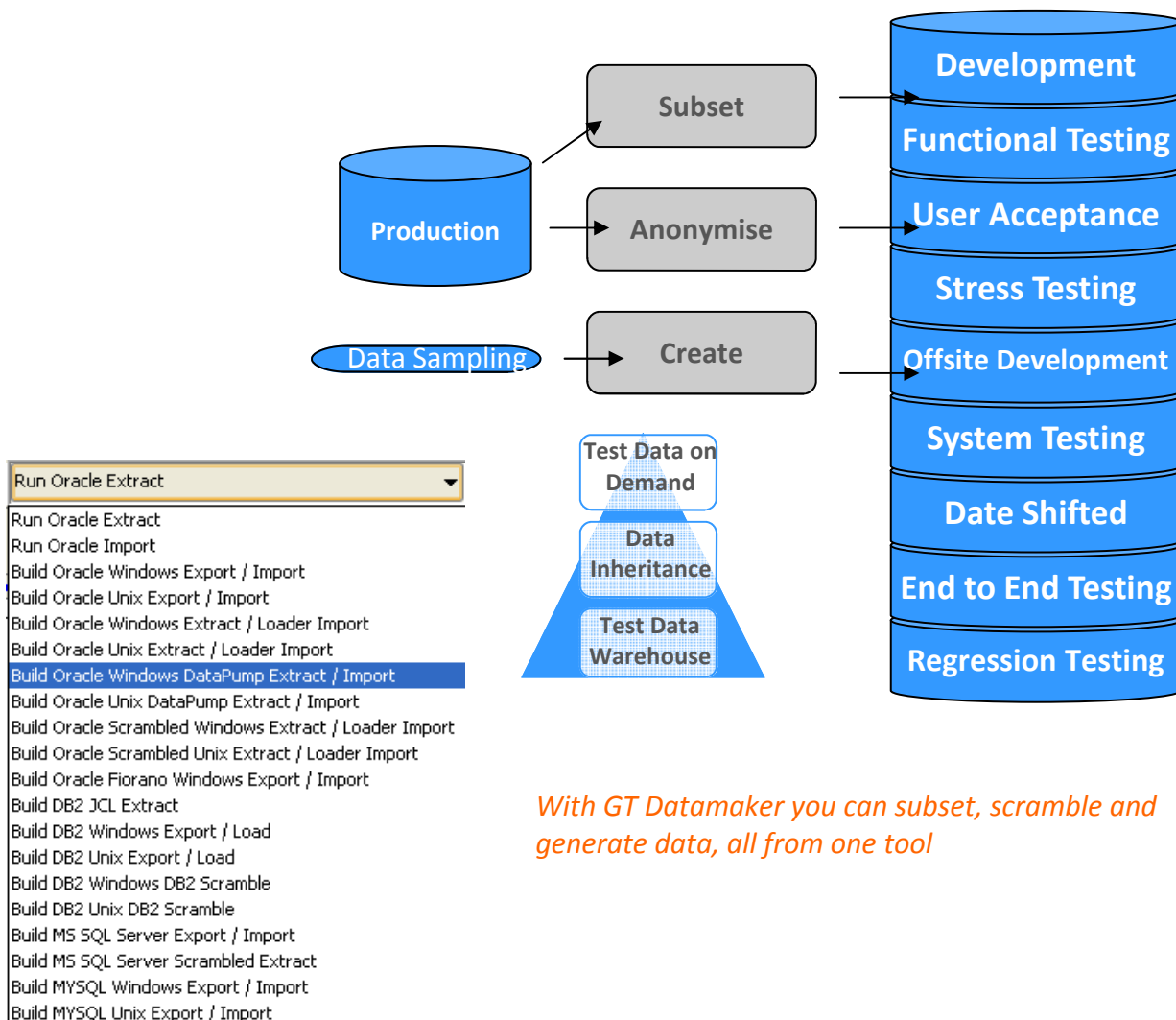
Datamaker allows you to define any relationships required to subset data. Selection criteria can be controlled at any level. GT Subset generates scripts that use the native database utilities to migrate your test data. These scripts can easily be incorporated into your own job schedulers.

## Data Scrambling

As part of the subset process you can apply data anonymisation functions to the extract. These include:

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

The process allows you to identify what 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 your existing data manipulation functions can be incorporated as part of secure data obfuscation process.



*With GT Datamaker you can subset, scramble and generate data, all from one tool*

Feature	Benefit
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 such 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.
The Meta-Model information can be used to create subset databases.	The same set of relationships used to define data can be used to extract subsets of data using the GT-Subset product.
Create high volume test databases.	When publishing data to production you can repeat the process many times allowing you to create high volume sets of business intact data.
Build a test data repository for all your applications and databases.	The tool can be used across multiple RDBMSs and applications. Store your test cases in one place.
Invalid data creation.	For some test cases, invalid data needs to be created. These test sets can be added as required for testing of particular programs.
Security layer.	Data can be copied from production, obfuscated 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 scrambled before release to developers and testers.
All pairs Data Creation	You can call out to scientific algorithms to build sets of all combinations of pairs or triples of values.
Manage your capture and replay tools such as Quality Center, LoadRunner and Facilita from within Datamaker	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.

GT 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.

"...GT 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**

"...GT 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**

"...GT 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**

"...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**

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)