SUNGARD®

Aware.

Prophet Results Database – rapid access to the right actuarial results

The insurance industry faces increased competition and more stringent regulatory requirements, such as Europe's Solvency II, or similar regimes globally, which are driving providers to seek greater visibility and risk control across their organisations. Previously, desktop systems produced megabytes of results data which were then manually assembled into reports using undocumented spreadsheets, which often focused exclusively on the results rather than the complete picture, including the assumptions, signoffs and audit trail. In the modern, strictly regulated, insurance industry, this is no longer sufficient.

At SunGard, we understand insurers need tools to help them gain control of their risk modeling data:

○ Actuaries need to keep track of calculation results and speed up reporting on big results sets

○ Chief actuaries want to know how to find specific results, and review and compare them with different sets of results

○ IT managers are looking to safeguard the data and manage storage requirements

○ Senior management want to make sure their risk reports are timely and based on the right actuarial models

Transfer model results to a relational database

To respond to these needs, the Prophet Results Database provides the capability to convert results from Prophet Professional or Prophet Enterprise actuarial models into tables in a relational database. The resulting data tables can be used to feed data warehouses or reporting systems for further analysis.

The import program loads projection, stochastic and model point results produced by either Prophet Professional or Prophet Enterprise. During the load process, the program also loads descriptive information about the results, including a list of the modelled products, input tables, and the outcome of the run, including any error or warning messages.

The Prophet Results Database also offers its own comprehensive audit trail to tie results tables to information about how, where from and when they were created.

Staging environment for actuarial models

The Prophet Results Database stores the output from Prophet Professional or Enterprise model runs. The model run data is transferred to a set of tables, which can be used either for reporting through Excel or any other SQL-capable reporting tool, or as a repository for results data. A specially designed program transfers the data from the results files into the database – this program can either be run manually, or automated through the Prophet Data Management Platform (see below).

Transferring the data to SQL Server tables enhances the performance of Excel-based reports

○ Allows reports to include audit and information concerning exceptions alongside the result data

○ Facilitates the comparison of different model runs

○ Supports aggregation of result data using SQL queries

Starting point for risk aggregation

By gathering the information from different runs together into a single, easy to manage, data store, the Prophet Results Database provides a basis to begin the process of Risk Aggregation. Using the Prophet Data Management Platform, the next stage is the Enterprise Risk Database, but the Prophet Results Database can be used to populate alternative risk repositories.

Enhanced data safety

IT staff can use the powerful backup, data compression, encryption, archive and storage management facilities provided by SQL Server to safeguard the model result data, as well as the audit information and run logs that support it. During the data transfer process, this additional supporting documentation is loaded into the Prophet Results Database. This makes the database a vital link in the traceability of results data back to their source.

Benefits of Prophet Results Database

The Prophet Results Database helps insurers protect and organise risk data to ensure that all the information underpinning the risk, solvency and profitability reports is traceable back to the model and assumptions that created it. Other benefits include:

○ Faster reporting supports mission critical run times, e.g. year-end or quarter-end

○ Results and audit data held together

○ Data can be reconciled back to the original models

○ Replaces the binary data with data in an easily interpretable standard format

○ Transfers large volumes of data with ease

○ Data transfer can be automated through the Prophet Data Management Platform

○ Facilitates more powerful results analyses

○ Facilitates IT management of Prophet model results

About the Prophet Data Management Platform

The Prophet Results Database forms one component of the Prophet Data Management Platform. The platform links together all the Risk Management products using proven technology to provide a complete solution for insurance risk measurement, risk management and corporate governance, enforcing control of insurers' risk data from source to output.

Process management tools help orchestrate and automate processes while maintaining an audit trial, giving executives the confidence they need to ensure their decisions are accurate, timely and communicated throughout the enterprise. SunGard also offer a fully managed service for secure and efficient hosting of all Risk Management solutions.

About SunGard's Prophet solution

SunGard's Prophet solution is a leading enterprise-wide actuarial modeling system that helps insurance and financial services companies meet reporting responsibilities, improve risk management, and develop more profitable products faster. Prophet uses customizable actuarial libraries for all major product types, including regional variations. It provides the transparency, performance and control required by today's actuaries and risk managers through integrated financial modeling and data management capabilities. Prophet is used by more than 9,000 users at over 730 customer sites in more than 65 countries. **www.sungard.com/insurance/risk**

Enabling the adaptive enterprise

Sitting at the intersection of technology and finance, SunGard is focused on delivering fresh ideas and inventive solutions to help our customers adapt and thrive in an ever changing environment. With a blend of software solutions, cloud infrastructure, global service capabilities and deep domain expertise, SunGard is capable of supporting virtually every type of financial organization, including the largest and most complex institutions in the world. For more information, please visit **www.sungard.com**

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