



PROPHET ENTERPRISE – CONSISTENT, CONTROLLED AND COLLABORATIVE RESULTS GENERATION

INSURANCE | Risk Management

The insurance industry is experiencing increasing levels of competition and more stringent regulatory requirements, which are driving providers to seek greater visibility and risk control across their organizations. Risk management systems must help them achieve a clear view of the risks they take, giving them a competitive advantage by arming executives with the high-quality information necessary to make more informed business decisions. In today's market, this information needs to be timely, but above all, the information needs to be reliable, with a clear audit trail back through each step of the calculations to the source data and assumptions which underpin them.

At FIS, we understand this means that our systems need to:

- Formalize the links between results, models and inputs, to provide reliable, repeatable results
- Optimize performance and improve model runtimes to shorten reporting timescales
- Maximize the value added by your actuarial resources by allowing them to focus on core competencies rather than technology
- Ensure security of data
- Reduce cost and increase productivity, while maintaining high quality standards

Putting control at the forefront of risk management

Prophet Enterprise is a proven technology platform for insurance risk measurement and management, enforcing standardization and control of the execution of insurers' models, and of the input data. Sophisticated job structures orchestrate processes and manage job dependencies. Prophet Enterprise then allocates the calculations over the available resources and maintains a complete audit trail. Prophet Enterprise can make use of grid computing to dramatically reduce execution times. A private cloud offering is also available through a managed, hosted solution.

Execute risk models in a robust, resilient, production environment

Prophet Enterprise helps insurers achieve an accurate and timely view of their risk by taking the actuarial models developed in Prophet Professional and embedding them in a controlled, production environment. It makes use of a scalable server-side calculation engine and a work scheduler to optimise the production of risk results, and provides traceability through the job structure, linking results back through the models to the original input assumptions and data. The data control and accountability features of the Prophet Enterprise environment provide the management of the firm with the reassurance that their decisions are based on reliable data, and the regulators with the confidence that risk management practices are truly embedded.

Powerful calculation engine with auditable, secure results

Prophet Enterprise uses the same set of actuarial models as Prophet Professional, covering an extensive range of businesses, regions, reporting, and actuarial methods. Built by actuaries and programmers, the system is specifically designed so that actuaries do not need programming expertise to use it effectively, minimizing the time and resources needed to develop models. An intuitive user interface allows actuaries to manage and link together these models quickly and easily. Once the models have been defined, Prophet Enterprise provides job

Empowering
the Financial World



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templates for managing model runs and the associated data. Jobs carry with them full details of how they were performed as well as the versions of the model and assumptions.

The libraries provide code and documentation to model most standard insurance products in the life, non-life, permanent health and pensions market.

Improve security, versioning and control

Prophet Enterprise is based on an enterprise architecture that optimizes the production of risk results through the use of job automation and scheduling tools. The client-server architecture allows job data to be held on remote servers, allowing global actuarial teams to co-operate and share resources, whilst maintaining model and data separation using role and business unit-based user permissions. Users with the appropriate access can set up runs, monitor progress, run reports, and manage results using a single, central installation. Security features control not only access to functions, but also to workspaces – ensuring users only see the data to which they are entitled. Prophet Enterprise also allows clear separation between Test, Pre-production, and Production Environments, ensuring that the data used in risk reports is based only on production certified models and data.

Accelerate the risk reporting process

Prophet Professional has been designed to allow actuaries freedom to define models and run them locally using a wide range of functions and data sets. Prophet Enterprise loads these completed models and uses an optimized calculation engine to ensure that they run quickly, and in a controlled, audited environment. Prophet Enterprise adds a 'pre-calculation' optimization step, which parses the models before execution, looking for simplifications and efficiencies. Prophet Enterprise calculation engines are also able to take advantage of high performance processing grids. The result is a highly scalable and flexible architecture which supports parallel processing across networked and multiprocessor servers, both on premise and in the cloud.

Benefits of Prophet Enterprise

Prophet Enterprise helps insurers gain an accurate and timely view of their risk by controlling the collection, management, and analysis of data, and optimizing the calculation of results. It also maintains traceable links from the results back to their sources – which instils greater confidence in risk decision-making.

Prophet Enterprise protects insurer information by supporting multiple environments, separating development, quality assurance, production, and disaster recovery environments. It also:

- Lowers IT costs by reducing the number of cores required and by centralizing the Prophet run environment
- Allows more efficient use of actuarial resources
- Reduces the operational risk by minimizing the opportunity for manual errors
- Significantly lowers the IT risk around the actuarial process
- Improves auditability and transparency of results through model versioning
- Produces results faster through intelligent scheduling, multi-threading, better processor scaling and greater reliability than Prophet Professional

About the Prophet Data Management Platform

Prophet Enterprise forms one component of the Prophet Data Management Platform. The platform links together all of FIS's insurance 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 report. Process management tools help orchestrate and automate processes while maintaining an audit trail, giving executives the confidence they need to ensure their decisions are accurate, timely and communicated throughout the enterprise.

Prophet Data Management Platform



About FIS's Prophet

FIS's Prophet is a leading actuarial modeling system that helps insurance and financial services firms develop more profitable products faster, improve risk management decisions, and meet their reporting responsibilities efficiently. Prophet provides comprehensive coverage across life, general insurance, health and pensions for all major insurance markets on a single platform, providing common models, code, assumptions and reporting capabilities, plus end-to-end data management and business intelligence. It offers actuaries an easy-to-use, flexible product design environment combined with a controlled, enterprise-level production environment, enabling the fast delivery of accurate, auditable and clearly presented information to risk managers, senior management and regulators. Prophet can be deployed on-premise, hosted or on the cloud, and is relied on by more than 10,000 users at over 850 customer sites in more than 65 countries.

Enabling the adaptive enterprise

Sitting at the intersection of technology and finance, FIS 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, FIS 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.fisglobal.com