



PROPHET DATA MANAGEMENT PLATFORM

The Prophet suite of solutions allows insurers to accurately model their lines of business and their exposure to a range of risk factors. But the construction and execution of the models is only part of the process. The data produced by the models is critically dependent on the assumptions and scenarios on which the models are based, and needs to be viewed in that context.

Also, there are a number of business processes that surround the models – both preparatory, such as creating model point files, and post processing, such as transferring actuarial modeling results into data marts and the production of the regulatory and managerial reports. The collation and presentation of the data, and the business processes that produce it are very specific to the organization to which they belong, and rely on knowledge of reporting structures and the underlying models.

Regulations are increasingly demanding that risk management data is used in all parts of the business to support decision making, so the production, presentation and dissemination of risk data is rapidly becoming an integral part of the business. It is crucial that this data is understandable, timely and accurate. This means that risk data management systems need to:

- Clearly present risk data in the right context for the audience – for example, broken down by business unit
- Retain strong traceability of results and user actions from data gathering and modeling to data aggregation and publishing
- Integrate into a range of different environments exchanging data and activities with other systems and sources of data
- Be configurable to deal with a wide range of data models, model types, customer specific calculations and business processes
- Automate client-specific business processes to reduce the operational burden and risk of error

FIS' Prophet Data Management Platform

FIS' Prophet Data Management Platform provides a true end-to-end solution for the needs of the business. The platform enables businesses to automate the production of data (including checks on accuracy and completeness), and transform it into easily consumable formats for use in business intelligence or corporate databases. The formal process definitions and the inclusion of process information alongside the reporting data provides better and more transparent governance. Both the workflow and the data mappings can be adapted to meet the changing needs of the business.

Using Prophet Control Centre brings with it a range of benefits, including:

- **Simpler, more easily understood, risk data**, available to a much wider audience
- **Flexible structures** to support changes as your business and the regulatory environment change
- **Freed up actuarial experts** – enabling more time for results interpretation rather than managing processes
- **Increased confidence in results** – through clear audit trails and reconcilable information
- **Reduced operational risk** – minimizing the opportunity for manual errors, and clearly marking what caused each manual action
- **More effective regulatory reporting** – with a strong governance structure and a focus on reproducibility and supporting documentation
- **Clarity of ownership** – specifies who owns each stage in the business process
- **Greater control** – reduced reliance on end-user computing and associated risks, allowing IT to control the systems and the business to control information
- **Quality of support** – FIS' committed ongoing investment in the platform, in response to customers' needs and changing regulation

Components and key features

FIS' Prophet Data Management Platform consists of two key components:

- Prophet Control Centre, which automates the business processes around risk management
- The Insurance Data Repository, a database that collates the results from Prophet, places them in their business context, combining and distilling them to simplify their use in external systems, and business intelligence.

The components support a range of deployment topologies, for example, regional local databases with a central hub, or a cloud based core with local reporting capabilities. The platform can also be hosted by FIS using the Prophet Managed Cloud Service, providing further cost efficiencies and optimized performance.

End-to-end automation with Prophet Control Centre

Prophet Control Centre drives the end-to-end risk reporting process on a timed or event-driven basis. It controls both Prophet tasks such as job initiation or data transfers and non-Prophet tasks such as file copies or report distribution.

Prophet Control Centre has a sophisticated workflow definition mechanism incorporating user-definable business rules that can either operate automatically or request user input if needed. It can also be configured to control third-party applications for additional data.

Manual intervention can be triggered using threshold values, set in the business rules. These can also include escalation levels.

Prophet Control Centre is based on the Infinity Process Platform, a core FIS technology used in more than 2,000 customers, and included in 30 FIS products, including Asset Arena Control Centre. The core product provides all the functions necessary to define and manage a distributed set of business processes, with security, delegation, query tools and full audit capability built in.

Prophet Control Centre contains a form designer to allow business analysts to build their own user interactions as part of their work flows. It also contains connector components to provide easy access to all the main Prophet products, including Prophet Professional and Prophet Enterprise, as well as generic connector components to allow clients to link other, third-party systems into their processes.

Extracting value from data with the Insurance Data Repository

Actuarial modeling in Prophet is based around model runs, and produces a new set of results each time a model is executed. The output from a model is defined by the model structure, and will change as the model changes. This means that the data available for reporting could change from run to run.

FIS' Insurance Data Repository (IDR) captures the key outputs of the modeling process and maps them to a set of client-specific dimensions, for example locations, product types or sales channels. The schema is persistent – it does not change with each change of the models, and supports analysis of change and trending over time. The tables in the IDR can contain data from multiple sources, for instance deterministic and stochastic results, workflow information from the Prophet Control Centre, input assumptions from the Assumptions Manager, as well as data from outside Prophet.

The mapping of Prophet results to the IDR is managed through an interface, which logs any changes, further enhancing the audit capabilities of the platform.

Integrating into the enterprise environment

Prophet Control Centre is designed to fit into companies' wider data workflows and infrastructure, exchanging data easily with third-party systems and proprietary data warehouses, in a range of industry standard formats.

FIS has extensive experience integrating with regulatory reporting systems, and can support solution integration either using pre-configured connectors or through the collaborative development of connectors implemented during deployment.

About FIS' Prophet Data Management

FIS' 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.

About FIS

FIS is a global leader in financial services technology, with a focus on retail and institutional banking, payments, asset and wealth management, risk and compliance, consulting and outsourcing solutions. Through the depth and breadth of our solutions portfolio, global capabilities and domain expertise, FIS serves more than 20,000 clients in over 130 countries. Headquartered in Jacksonville, Florida, FIS employs more than 55,000 people worldwide and holds leadership positions in payment processing, financial software and banking solutions. Providing software, services and outsourcing of the technology that empowers the financial world, FIS is a Fortune 500 company and is a member of Standard & Poor's 500® Index. For more information about FIS, visit www.fisglobal.com