

PROPHET CLOUD SERVICES

MANAGED CLOUD SOLUTIONS FOR ACTUARIES AND RISK MANAGERS

Empowering the Financial World
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Insurers are under growing pressure to rationalize increasingly complex risk modeling operations to improve performance, meet demand for more frequent and detailed insights, while at the same time managing costs. FIS addresses these needs by delivering Prophet to the actuarial and IT functions as a range of managed hosted solutions.

Managing costs

In times when capital investment is difficult to procure and the drive is to reduce the costs of delivering key services, the business case for migrating to a rented cloud environment is clear.

Outsourcing the provision of the Prophet infrastructure and support of the environment can deliver significant efficiencies in cost management. With no capital outlay for hardware, the start-up costs are kept low and a monthly service and software licence fee ensures that cash flow is predictable over the long term.

A key advantage of using an optimized cloud environment is reduced model run times, which can be vital for period-end reporting and for managing increasing regulatory demands for more complex and frequent reporting.

Freeing up expert resources

Insurers' in-house experts, whether actuarial or IT staff, want to apply their expertise to value-adding activities. The cloud offerings help both departments free up their expertise to focus on the important business challenges, leaving the operational issues to FIS. In addition, the business doesn't need to maintain expensive application technology experts.

Operational agility

Increasingly sophisticated risk models can help insurers keep pace with the rising information demands from regulators and management. However managing the infrastructure and processes in-house, with the required systems expertise, can often become a resource problem.

Through a virtualized cloud environment, insurers can react to the demands of the business, provisioning more or less compute resources throughout the business cycles.

Multiple parallel environments can be managed to allow for the governance of test, pre-production and production environments. Temporary environments can be provisioned for upgrade testing and special projects.

- For **Prophet Professional**, the burden of managing desktop environments and fitting upgrades in with IT policies is removed.
- For Prophet Enterprise, the costs of building and maintaining the environment are passed to FIS' experts, allowing insurers to take full advantage of governance capabilities and high scalability.
- Through the Prophet Data Management Platform, the cloud environment can be extended to include process automation, audit documentation and more efficient regulatory reporting.

Support synergy

Providing support to end-users places a strain on local IT resources. With Prophet Cloud Services, the hardware, the operations team, the underlying system components and the software are all managed as a complete service.

The advantage is a single organization to contract with, a single organization providing the service, and a single organization to provide support. There are no gaps for problems to fall into.

Pro-active monitoring helps prevent problems from occurring. Should a problem arise, it is diagnosed, escalated, tracked and resolved efficiently without time-consuming transfers of data or log files.

Providing 24/7 support of mission critical systems for the Financial Services industry is a FIS core competence: teams are strongly focussed on availability and meeting service-level commitments, and have many years' experience in delivering FIS' managed cloud offerings.

FIS appreciates that providing both the hardware and systems management expertise as a single service, integrated into the particular IT service delivery infrastructure, essentially gives insurers a smarter way of meeting their business needs.

Enabling financial transformation

With Prophet Cloud Services, FIS provides access to additional Prophet applications and the technology infrastructure on which they run in an affordable way.

This allows the business to focus on achieving industry best practices and to rationalize their modeling and production operations.

Through role definition and governance, the business can achieve best business practices, including increased transparency and auditability, better data integration with other systems, effective compliance with IT operational and security policies and regulatory audit demands.

Viewed strategically, Prophet Cloud Services can help align modeling operations better with the business' agenda for sound risk management and enhanced profitability.



Key features of Prophet Cloud Services

Notable aspects of FIS' Prophet Cloud Services include:

- **Application Provisioning**
 - The full range of Prophet applications
 - Inclusive upgrades
 - Supporting tools, e.g. SQL and Excel
- **Capacity Management**
 - Compute capacity planning and elasticity management
 - Scheduled or elastic compute options
 - Storage capacity management
- **Comprehensive Support**
 - 24/7 service desk
 - Application support is provided by FIS and subject matter experts
 - Service management and reporting
 - Additional supporting actuarial services
- **Environment Management**
 - Application and infrastructure monitoring
 - Configure and test security settings
 - Disaster recovery planning and testing
- **Multiple Environments**
 - Hosting of development, test and production environments to provide end-to-end support of actuarial processes
 - Hosting of multiple versions for upgrade testing
- **Integrated Support**
 - Dedicated support of technology and application issues, planning and business change needs
 - Single point of contact



Prophet Cloud Services – options to match your business needs

Prophet Cloud Services are available in a range of different configurations to match your particular needs.

Prophet Managed Hosted Service ('private cloud' solution)

The Prophet Managed Hosted Service (PMHS) is based around scalable, reserved resources that are secured, managed and maintained by FIS' experts. Insurers can take advantage of the benefits of outsourcing their environments to FIS while retaining the comfort of committed resources and predictable monthly costs.

Larger organizations can benefit from the usage synergies between departments, and between countries. PMHS also appeals to companies that are continually extending and innovating their stochastic modeling, and particularly those where the reporting and development actuaries are in the same teams, creating high demand for resources outside of the reporting cycles.

Prophet Managed Cloud Service ('public cloud' solution)

With the Prophet Managed Cloud Service (PMCS), insurers enjoy the flexibility and rapid scalability of purely virtualized environments based around leading cloud providers' computing infrastructure. Actuaries can be more agile, deliver more and faster, and better manage total costs.

FIS offers a PMCS as a full service and as application management services:

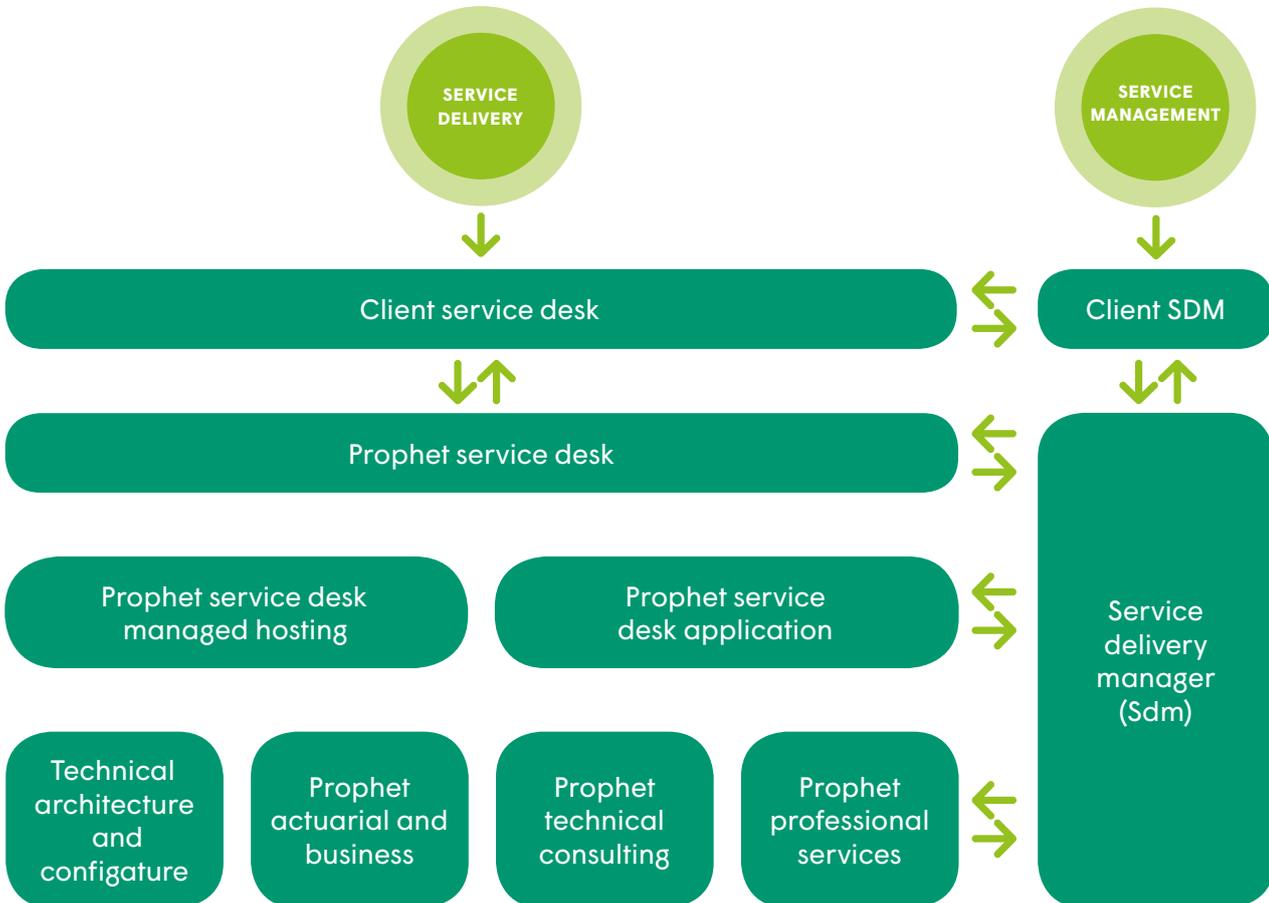
- **PMCS Full Service** – FIS offers a comprehensive single-contract managed service that includes access to ring-fenced cloud computing infrastructure from leading providers. This appeals to insurers with rapidly fluctuating production needs, and typically with pronounced usage spikes. Customers pay for resources only, not latent capacity. FIS regularly reviews the environment for optimization, and the need for in-house technical experts is removed.

The PMCS Full Service option can appeal to companies with fewer modeling actuaries, to those with large established stochastic reporting requirements or to consultancies with ad-hoc usage based around client projects. For these firms, the extreme cyclical nature of their business lends itself well to paying for computing resources only as they become needed – the environment can be turned off and back on to ensure the running costs are kept to a minimum. FIS provides the support and the environment to ensure the usage reliably grows and shrinks as needs dictate. We provide management services to ensure you continue to work with the latest technology and latest software.

While insurers stand to benefit most from the PMCS Full Service option when using Prophet Enterprise as a controlled production environment, customers that currently only use Prophet Professional on a small scale can upgrade initially to the additional 'PMCS Instant' option. This offers access to a more standardized desktop-like environment using Amazon Web Services, provides enough processing capacity for using Prophet Professional, and allows costs to be saved by turning off the environment when not in use.

- **PMCS Management Services** – we provide application and environment management services for the use of Prophet for insurers who have engaged directly with a leading public cloud provider, typically as part of a business-wide strategy, and where different business functions may need to share resources. With the PMCS Management Services option, FIS' experts access parts of your shared cloud environment, using their intimate knowledge of Prophet to ensure that the system runs optimally and can scale as needed. While this option offers similar benefits to the PMCS Full Service Option, customers will of course need to manage two service relationships – one with FIS and the other with their cloud provider.
- Customers who are confident in being able to manage Prophet in a cloud environment, but who will benefit from the support of FIS' Prophet experts for an environmental review and general support can call on a basic ancillary PMCS Application Support option.

Overall, the Prophet Managed Cloud Service offers a distinct combination of operational agility, operational governance through the use of Prophet Enterprise, better cost management, improved application support, and access to the scalable resources of leading cloud providers.

 Prophet Cloud Services delivery and management




About FIS' Prophet solution

FIS' Prophet solution 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.

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

