



Factsheet

Bringing risk management into the cloud

Vector Risk offers cloud-based automation of credit and market risk calculations in the trading book. Extreme performance means calculations are 80x faster than traditional solutions and SaaS delivery assures regulatory evergreening.

Finastra research indicates that to stay competitive, 68% of executives are planning to enhance risk systems, with 79% looking for better risk data. Basel IV is raising the cost and effort of regulatory compliance, resulting in more scrutiny of the assumptions underpinning CVA and DVA calculations. Spreadsheets and non-market implied data may no longer be enough.

However, on-premise calculation is time-consuming and expensive, requiring powerful computing and up to 6-18 months' time to value. It's a long-term commitment that needs ongoing software stack management and hardware upgrades.

Vector Risk provides:

- True multi-tenancy SaaS solution for Market and Credit Risk (including FRTB Advanced)
- Rapid computational performance leveraging Microsoft HPC (high performance computing)
- 32 billion trade valuations in 22 minutes – using vectorized code
- Zero-install, scalable and always up-to-date solution
- Secure architecture accessible only via credentialed web services
- Connectivity to standard market data packages and client internal data

Vector Risk on FusionFabric.cloud

FusionFabric.cloud is Finastra's open and collaborative developer platform and marketplace for financial solutions.

Using FusionFabric.cloud, Vector Risk can be deployed in days, as data for the application is facilitated by the platform integration.

Thanks to the power of Vector Risk, you can receive risk calculations in minutes once live.

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**Vector Risk gave us
a risk management
solution that was
extremely quick to
implement, fast,
reliable, and easy
to maintain."**

Head of Market Risk
Kiwibank

Vector Risk has been built by risk managers and computing experts with decades of experience in publicly listed banks, and has attracted major customers in APAC, Japan, Europe and the US. It offers proven, market-tested software based on secure infrastructure. Vector Risk's Monte Carlo risk engine has been developed and refined on real data since 2000 and it is hosted on secure Azure data centers in Sydney, Singapore and Switzerland.

SaaS delivery removes the cost, effort and overhead of on-premise risk calculations, making state-of-the-art software and extreme computing power available with simple setup and minimal overheads. And cloud deployment means upgrades and enhancements are deployed automatically as soon as they are available, as well as ensuring compliance with the latest regulations.

Vector Risk customers can subscribe to risk measures as needed, including:

- Potential Future Exposure
- CVA & DVA
- SA-CCR
- VaR and Expected Shortfall
- SBA Sensitivity Generation
- FRTB – SA & IM

Adaptable to your data needs

Vector Risk works with any data set you need. It takes extensive daily data feeds directly from ICE Data Services and can make it available to clients on demand, at prices that reflect the risk-only use of the data. Alternatively, it can leverage internal data, importing clients' own CSV or XML files via FusionFabric.cloud.

Comprehensive pricing for all use cases

Covering all asset classes – interest rates, FX, fixed interest, commodities, equities and credit derivatives – Vector Risk can offer "sell side quality" pricing to match front-office pricing models. Coverage also extends to exotics and structured products, performance for which Vector Risk is well known in the market – and all pricing models are vectorized for performance that's 80x faster than regular pricing models.

Secure, reliable and repeatable

Vector Risk is delivered with secure architecture, best-in-class IPV4 internet protocol, and hashed and salted logins and passwords. Role-based privileges enable customers to personalize access depending on need, while all activity is reliably logged via a detailed audit trail.

For more information, or to start a trial today, contact us at capitalmarkets@finastra.com

About Finastra

Finastra is building an open platform that accelerates collaboration and innovation in financial services, creating better experiences for people, businesses and communities. Supported by the broadest and deepest portfolio of financial services software, Finastra delivers this vitally important technology to financial institutions of all sizes across the globe, including 90 of the world's top100 banks. Our open architecture approach brings together a number of partners and innovators. Together we are leading the way in which applications are written, deployed and consumed in financial services to evolve with the changing needs of customers. Learn more at finastra.com

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