



Pushing operational risk management to the next level

Technology transformation solutions that break new ground



Organizations focused on operational risk management are grappling with big technology challenges. They need to leverage investments in existing platforms while implementing new technologies like robotics for risk decisioning, risk sensing, and cognitive risk intelligence. They need to ensure that their technology solutions can process structured and unstructured data from multiple sources. And they need to integrate business and risk data from a wide range of technology tools to develop an accurate operational risk perspective.

What is needed now is a strategy that consists of solutions that empower your operational risk program to support your strategic organizational goals.

Unified technology, elevated perspective

Deloitte Risk and Financial Advisory can help you design an integrated technology architecture and implement a technology platform that strengthens your operational risk management program and elevates your program's ability to meet your risk management needs. We leverage our combined experience in technology and operational risk management to create custom solutions, tailored to your business needs and goals. We can help you optimize the value of your existing technology solutions through added capabilities to digitize and enhance your current risk management platforms.

Deloitte Risk and Financial Advisory looks at ways to improve inadequate end-to-end architecture with solutions that bridge the gap and increase the capabilities of technologies to help address all of the operational risk requirements for your organization. Whether you are currently using a traditional Governance, Risk, and Control (GRC) system or a variety of disparate technology

platforms, we'll work with you to design and implement strategies and solutions that can change the way you look at operational risk management. Although GRC systems were designed to support the delivery of business and operational strategy, maintain regulatory compliance and create operational efficiencies, there is still a long way for organizations to go in how they use technology to improve their operational risk capabilities. Much of this is due to the inherent nature of complex user interfaces, systems complexity, high cost of ownership and distributed execution across the lines of defense. We can help you integrate your GRC technologies with front-line business systems to provide efficient data transfer, reduce human intervention and improve reliability of risk information.

We start by translating business requirements into a technology strategy and help you identify the right technology platform. Guiding the process every step of the way, we help you develop a solution to meet your needs.

Operational risk management strategy and program snapshot



Who: C-suite and operational risk executives.



What: Deloitte's Risk and Financial Advisory's technology transformation services help you integrate data, provide real-time intelligence, and enhance your operational risk management program.



Why: Technology can limit the maturity of your operational risk management program. We help you strengthen your technology platform and program and boost performance.



When: Our services are custom and flexible—we work with you to tailor solutions to your needs.

For organizations that have already made technology investments, we can help you enhance your existing platform investments with advanced capabilities like robotics, risk sensing, cognitive intelligence, and behavioral science for predictive risk insights. We can also leverage any tools built into your current technologies to help you enhance functionality and strengthen your operational risk management reporting function.

Transform your technology to reach new heights

Deloitte Risk and Financial Advisory helps you harness the power of new technology solutions and get more from your current platforms. We have the ability to provide leading class operational risk strategies to your organization by leveraging our wealth of cross-industry experience. What big shifts are likely to change your technology solutions in the next two to three years? Wherever you are in the technology lifecycle, we can help you marry what you want and need with what you have, to create a technology solution that effectively supports your operational risk program. Our services include:

- **Technology strategy, planning, and implementation:** These services span the technology lifecycle across the spectrum. We work with you to:
 - Identify your specific business needs and translate them into technical requirements
 - Develop a vision, strategy and technology roadmap to enhance your operational risk management program

- Define your business and functional requirements and translate them into technical requirements
- Develop operational risk architecture including lines of defense requirements
- Integrate new technology solutions with your existing platforms to meet your operational risk management needs
- Identify technology opportunities to affect future requirements and operational risk management improvements
- Develop and execute an implementation plan
- Implement a continuous improvement process to evaluate additive technologies over time based on program

- **Data lake design for risk visualization:** One of the most common challenges across risk management functions is the aggregation of risk information in a diverse ecosystem of front-line systems. The data lake design takes advantage of your current technologies, aggregates and synthesizes the data, adds control

validation and delivers broad risk and intelligence views. This service helps you optimize your existing technology platforms to support your operational risk management program. We help you:

- Identify your operational risk data sources and integrate them into a data lake platform for aggregated reporting
- Connect your legacy technology solutions with the data lake platform to provide a unified technology solution
- Define control validations and thresholds to support output
- Leverage the new platform to make your ad-hoc and regular reporting more accurate, complete, and available
- Integrate analytics, data mining, data modeling, and data reporting to create data visualizations that help you make informed decisions

Deloitte Risk and Financial Advisory's operational risk management solutions

We help organizations become more resilient by strengthening their operational risk programs. To that end, we offer comprehensive solutions in four categories:



Design: Strategy and solutions to help clients build resilient operational risk programs.



Operate: Managed services to help boost performance and transform risk management into a core strategic enabling function.



Master: Mastering the Art workshops to help improve risk management governance and decisioning to drive effective and risk-based operational performance.



Transform: Technology transformation solutions designed to help change the way organizations experience risk management.

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