

The Emerging Technology Trends

“To help Risk Technology functions in making their architectures more resilient and sustainable”

The emerging technology trends : Digitalising the risk functions

Robotics Process and workflow automation

- More seamless and timely experience for Bank using Smart workflows
- Mass automation of routine tasks
- Improved business efficiency, data security and effectiveness by mimicking human actions and automating repetitive tasks across multiple business applications using RPA
- Enhanced productivity, reduced cycle time, and improved accuracy and compliance
- Complementing the professionals and ultimately redeploying those hours into higher value tasks
- Leverage effectively in control checks and regulatory reporting

Advanced analytics and decision automation

- Application of cognitive to provide better and fast automated decision support and data filtering (e.g., credit underwriting, surveillance)
- Credit risk modelling and scoring
- Increase use of big data, advanced analytics, and visualization for better data management and decision support
- Automation of limit allocations/ approval where appropriate
- Automation opportunities along the entire risk management lifecycle like Risk Approval, measurement, mitigation monitoring & escalation and reporting
- Help to cultural shift with 1LoD having grater ownership for ongoing client/transaction monitoring – appropriate workflow and tooling

The emerging technology trends : Digitalising the risk functions

Artificial intelligence and ML

- Test mining based on news and articles to gauge the Credit worthiness of counterparty.
- Streamline Stress testing.
- AI algorithms to identify patterns of behavior related to past incidents and transpose them as risk predictors.
- Supply news and analytics to Early warning system and Risk tracker applications using ML Core platform.
- Stepping-stone in Data management; e.g.ML for Data quality, AI based model for data reduction, unleashing the power of data across a range of crucial functions with better insights and recognizing patterns.
- Drive insights and sentiment from unstructured data for better decision making.
- NER for developing efficient and smart search algorithms, extract structure from unstructured text data

Cloud

- Set of distributed on-demand technology services
- Better infrastructure
- Cost effective and quick data processing and storage
- Cloud as digital immune system
- Increase deployment velocity (CI/CD)
- Pre-defined APIs for AI/ML

Key Considerations: For adopting new technology trends

Area where continuous focus is needed to achieve resiliency and sustainability in Risk functions



Data Management

Centralised and connected data sources (i.e. Data lake) with Good quality data adhere to Enterprise wide Data models (SDP)

“Data is the new Oil as it is the fuel that drives the businesses”



Talent and Culture

Focus on people: Upskilling, attracting new perspectives into the team, developing career path operating within an agile culture that values innovation and experimentation.

“Being willing to accept change, experiment, and learn”



Resiliency and Trust

Bank should infuse resiliency, cybersecurity and privacy into the design of platforms and products.

“Embracing technology as an opportunity and not a threat”



A cohesive and flexible infrastructure

Addressing new interfaces, innovative data store solutions, easier access to the vendor ecosystem, and so on.

“Habitually pursuing technology use cases across the organization”