



RBI Advisory on Customer Data Protection and Management

Published by Reserve Bank of India (RBI), Department of Supervision, Central Office Cyber Security and IT Risk (CSITE) Group

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Introduction



Introduction to the Advisory

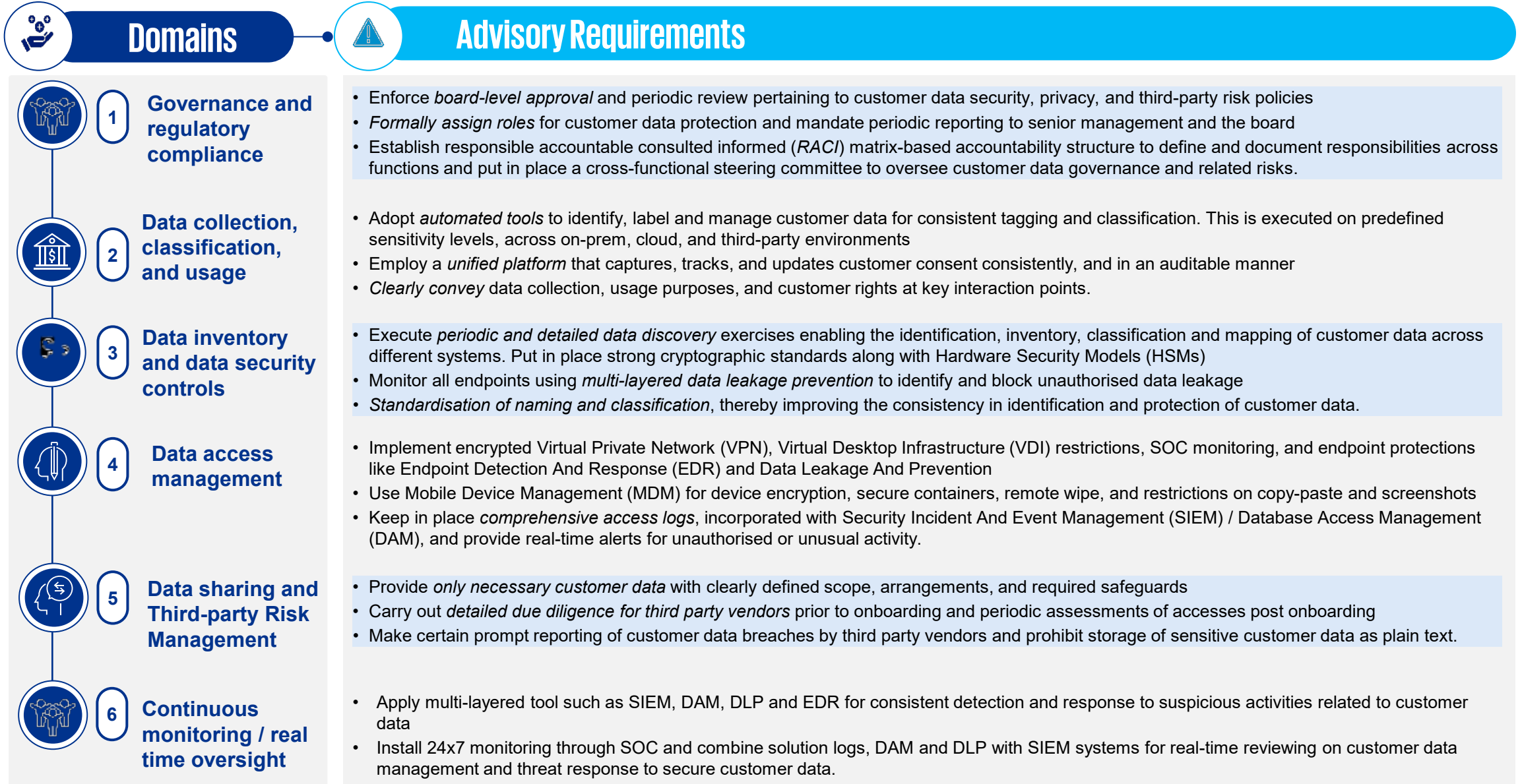
RBI CSITE Group conducted a thematic study on “Security of customer data” across Supervised Entities (SEs) covering multiple categories of supervised entities in 2025, to identify several best practices that are being followed for protection of customer data in the SEs’ ecosystem and published an advisory to summarise the same as guidance for SEs in strengthening their framework for protection of customer data

Applicability	Public sector banks Private sector banks Foreign banks Small finance banks Payment banks Non-banking financial companies All India financial institutions				Board of Directors Steering Committee Senior Management Security operations center (SOC) Team	Key stakeholders impacted
Objective	- SEs must prioritise robust customer data protection framework - Establish and continuously enhance cyber security and data-protection mechanisms to safeguard customer information across the entire digital ecosystem - Adherence to all applicable laws, regulations, and supervisory guidelines related to data protection					
Leading practices	- Establishing a clear governance structure to protect customer data properly, ensure accuracy and regulatory compliance, the process for data collection, classification, and data use needs to be defined - Protection of customer data during accessing from anywhere, sharing and third-party interactions requires the implementation of strong security controls with structured approach of cloud security to manage risks to customer data on cloud platforms as well - Defined data retention and destruction processes to avoid keeping customer data longer than necessary and to minimize security risks - Robust framework for tracking complaints and grievance redressal is necessary to empower customers and ensure transparency - Defined framework is required for incident response, simulation exercises, and customer communication, with layered security controls and 24x7 monitoring to enable continuous detection, alerting, and response to threats involving customer data - Security of customer data requires defined measures for its discovery, classification, encryption, and monitoring.					

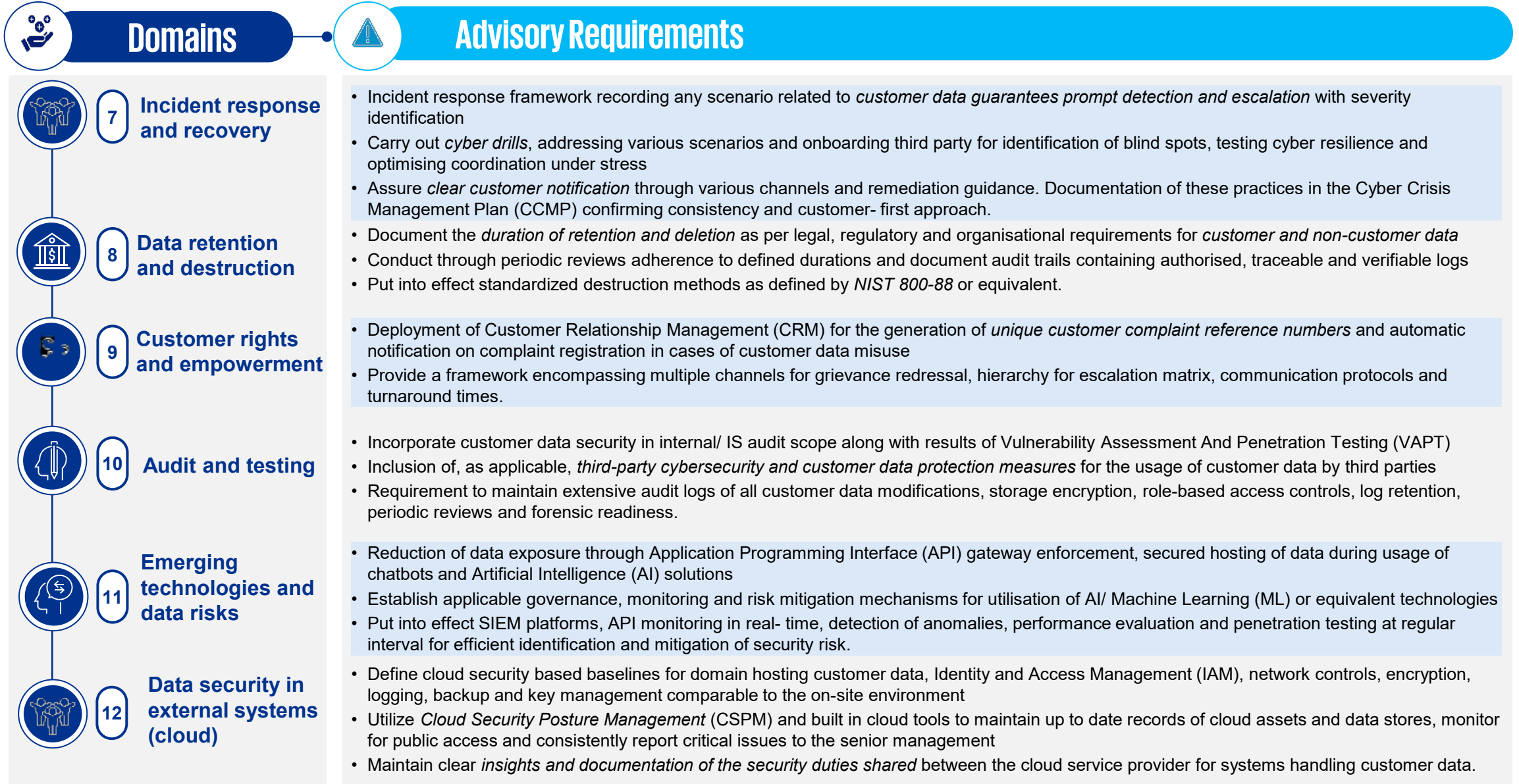
Overview of the CSITE advisory



Domain overview (1/2)



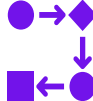
Domain overview (2/2)



Key imperatives for SEs



Key imperatives for SEs

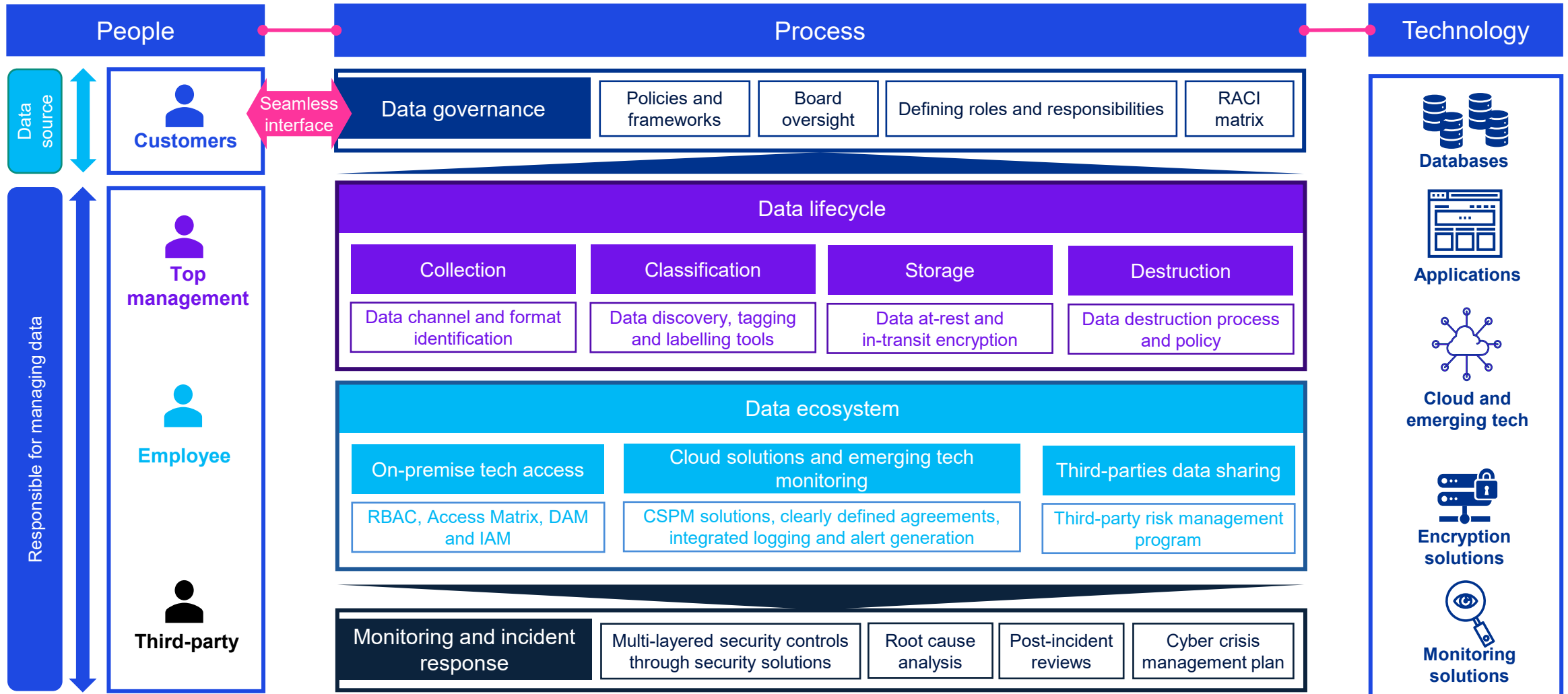
Challenges		Approach	Outcome
1	Data Governance and Classification	Establish an enterprise-wide data discovery, classification, and metadata management framework across the data lifecycle 	Consistent visibility of customer data flows and strengthened enterprise data governance
	Limited visibility of data across SE's ecosystem due to fragmented data identification, classification, and metadata practices		
2	Data Security – Encryption, Key Management	Implement standardised encryption and centralised key management aligned to data sensitivity and usage 	Enhanced protection of customer data with secure enablement of business processes
	Growing volumes of sensitive customer data increase the complexity of securing data while enabling legitimate business use		
3	Identity and Access Management	Strengthen access governance through IAM solutions with RBAC, access matrices, DAM, and endpoint security controls 	Controlled, role-based access to customer data and reduced access-related risks
	Inconsistent access controls elevate the risk of unauthorised or inappropriate access to data		
4	Monitoring and Threat Detection	Deploy centralised monitoring by integrating SIEM, DLP, DAM, UEBA, and SOC-based oversight 	Timely detection, investigation, and containment of customer data security incidents
	Limited oversight of data activity across the tech-landscape constrains timely detection of security events		
5	Incident Response and Recovery	Establish a formal Incident Response and Recovery framework with RCA, cyber drills, and crisis communication protocols 	Improved incident responsiveness, effective recovery, and transparent customer communication
	Absence of a structured and tested incident response capability may delay containment and recovery from data-related incidents		

Key imperatives for SEs

Challenges		Approach	Outcome
6	Data Retention and Destruction	Define retention schedules, enforce audit trails, and implement secure data destruction mechanisms 	Reduced data over-retention risks and improved compliance with retention requirements
	Inconsistent data retention and destruction practices increase the risk of unnecessary data exposure and regulatory non-compliance		
7	Regulatory Compliance and Governance	Implement centrally governed compliance frameworks, policy reviews, and approval mechanisms 	Sustained regulatory alignment with clear accountability and governance oversight
	Heightened regulatory expectations require continuous alignment across policies, processes, and technical controls		
8	Third-Party and Cloud Risk Management	Strengthen third-party assessments and enforce cloud security baselines with CSPM-based monitoring 	Consistent security posture and improved oversight across vendors and cloud environments
	Limited oversight of third-party and cloud-hosted customer data increases governance and security risks		
9	Emerging Technology Risk Management	Enforce secure API management, AI governance frameworks, and continuous risk monitoring 	Controlled and secure adoption of emerging technologies involving customer data
	Adoption of APIs, AI, and emerging technologies introduces incremental data exposure risks if not governed appropriately		
10	Customer Communication	Automated process for communicating a unique Complaint Reference Number when a complaint is lodged and also when it is closed 	Consistent and transparent complaint tracking
	Inconsistent methods of tracking progress through the complaint lifecycle which lead to confusion and reduced transparency for customers		

Proposed data landscape at SEs

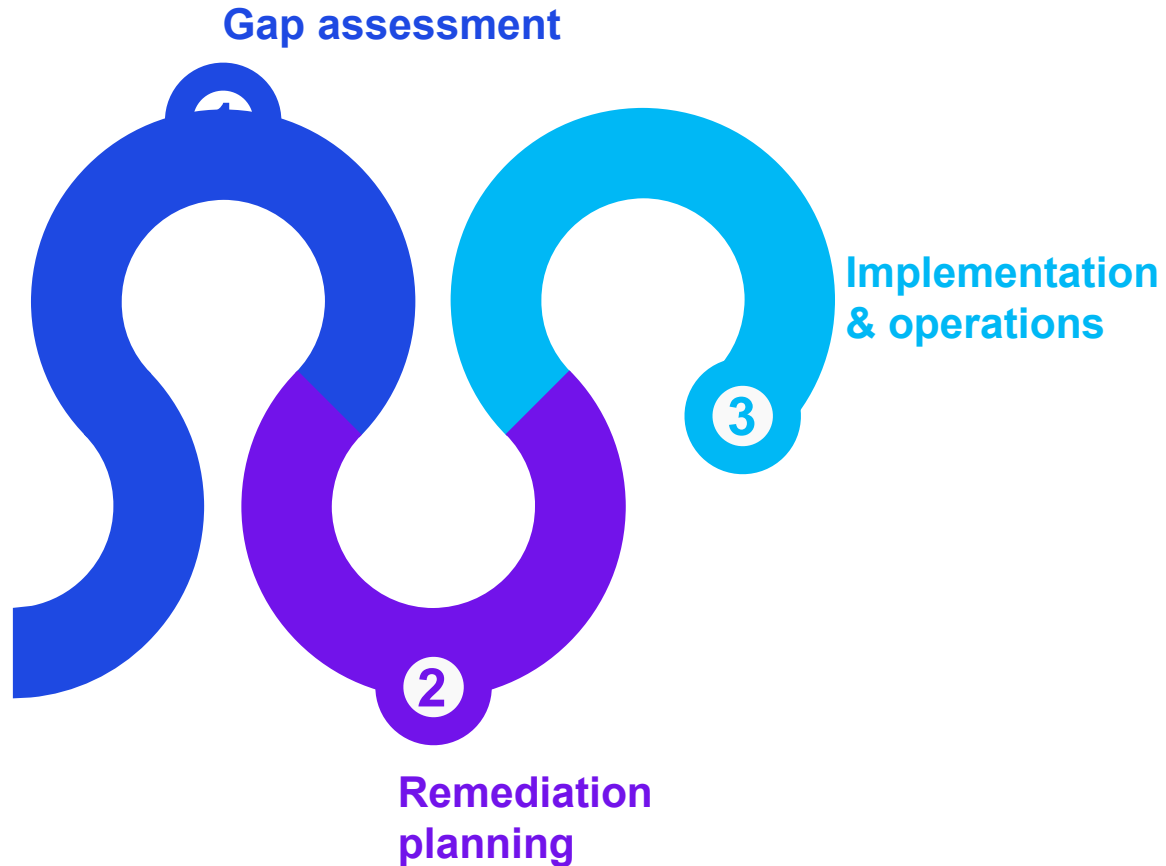
Leveraging our vast experience across financial sector, KPMG in India has prepared the below proposed data-landscape at SEs in a structured format mapped across People, Process and Technology aligned with this advisory



Way forward



How KPMG in India can help



Gap assessment

- Conduct a gap assessment of the existing data protection framework and data lifecycle
- Assess current SOC monitoring tools and controls for possible data leaks
- Review existing data discovery, classification and DLP capabilities for critical systems



Remediation planning

- Devise a priority-based and risk-based issue remediation plan
- Define enhancements for data protection controls and finding opportunities for streamlining usage of technology



Implementation & operations

- Phase wise gap closure implementation
- Focus on re-configuration and optimisation of existing security tools and monitoring capabilities
- Supporting with project management and running operations on behalf of SEs
- Use continuous monitoring to safeguard compliance and protection

Why KPMG in India ?

Regulatory alignment

Helping clients achieve regulatory alignment by bridging gap between data protection norms defined by the regulators and data governance frameworks tailored for their environment

Strengthening cybersecurity and risk management

Assisting in fraud risk mitigation and secure encryption protocols to data integrity

Data lifecycle management and retention controls

Helping organisations manage data ensuring information is retained as long as it is necessary and destroyed post retention period

Financial sector focus

Engaged with key players in India's financial services ecosystem including banks, third party application providers, and aggregators

Streamlining data management

Assisting in review of regulatory submissions for financial institutions

Below are KPMG in India's select credentials in the data protection space-

Multinational bank	Insurance companies	Large Indian bank	Global card payment network
Global payment aggregators	Payment gateways	Indian private sector bank	Indian PSUs

Acknowledgements

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**Source: Advisory on Best Practices for Customer Data Protection, March 2026, RBI
– Department of Supervision, Central Office Cyber Security and IT Risk Group**



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