

Data Privacy – Compliance to Competitive Advantage...

Infosys Enterprise Data Privacy Suite



A background image of a city skyline at night, with numerous skyscrapers illuminated against a dark sky. The image is overlaid with a semi-transparent blue filter.

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Agenda



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- iEDPS – Our Value Proposition
- Our journey so far...
- Key capabilities of iEDPS
- Product Vision and Road Map
- Our Success Stories
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Data Privacy Imperative - A Business Priority or Risk?

“We are entering a new world where DATA maybe more important than Software...” - Tim O’Reilly



Compliance to applicable regulatory requirements



Avoid Penalty for violations and non-compliance



Stay current with changing global regulations



Ensure Privacy norms, while embracing Digital



Continuous **Business Expansion** and its associated **Risks**

De-risk & Protect brand image and trust

Get competitive advantage, as business goes global

Be Future Ready, as business increasingly goes digital



consumers are **prepared to move to another business if a company can not be trusted** to handle their data responsibly.



consumers **believe companies are vulnerable to hacks and cyber attacks**



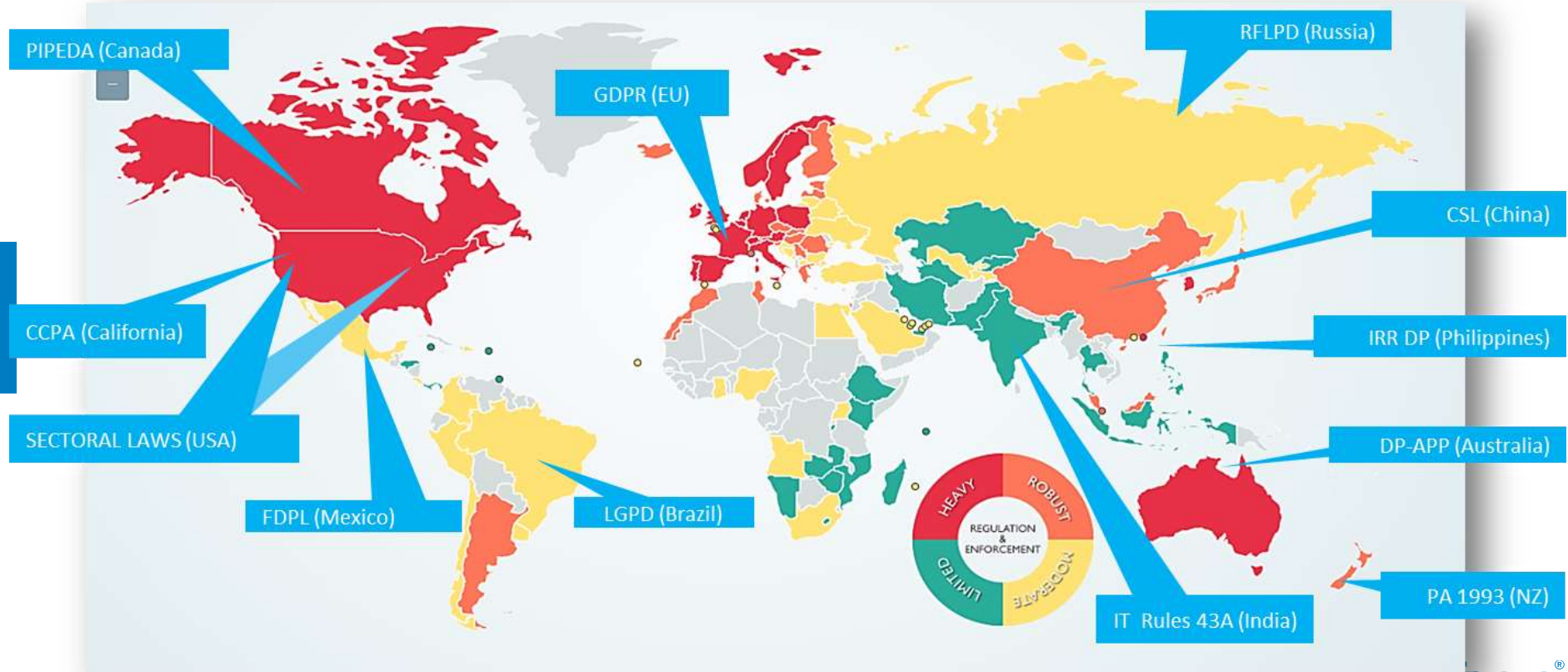
people feel like **online businesses do not care about handling customer data securely** and properly

Privacy by Design as part of the Customer Requirements

Threat prevention becoming obsolete on hourly basis

Unprepared Global crisis

New Data Regulation Driven Industry – Customer Privacy



Why iEDPS?

Addressing Elements of a Modern Enterprise Data Privacy and Security through iEDPS

Data Privacy & Security Goals



Secure Offshoring & Delivery	Re-imagine Remote work	Regulatory Compliance	Dynamic App Security	Creating a culture of Data Privacy
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Key Capabilities



Sensitive Data Discovery	Data Source Protection	Data Lineage and Inventory Management	Synthetic and Test Data Management	Data Sub-setting
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Process Enablers



Privacy Impact Assessment	Smart Personal Data Inventory	Privacy by Design	Data Privacy Consulting	Consent Management
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Deployment Options



On-Premise - Desktop	Web-version as a SAAS	Data Privacy as Service	Containerized iEDPS	Poly-cloud deployment
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Data Sources



Email, Logs and Collaboration Tools	IMS DB VSAM IBM DB2 Legacy	ORACLE SQL Server mongoDB TERADATA N NETEZZA SQL SAP RDBMS	ORACLE SAP SuccessFactors Packages SAP SuccessFactors Packages	ASC X12 DELIMITED EDI Files and Sharing
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Our journey with 40+ client implementations...



10+ Years of Market Presence and product maturity with dedicated Customer Success Team



Ease of use, flexible deployment options and highly scalable platform



Successful implementation experience in GDPR, HIPAA, CCPA and PCI DSS and other worldwide regulations

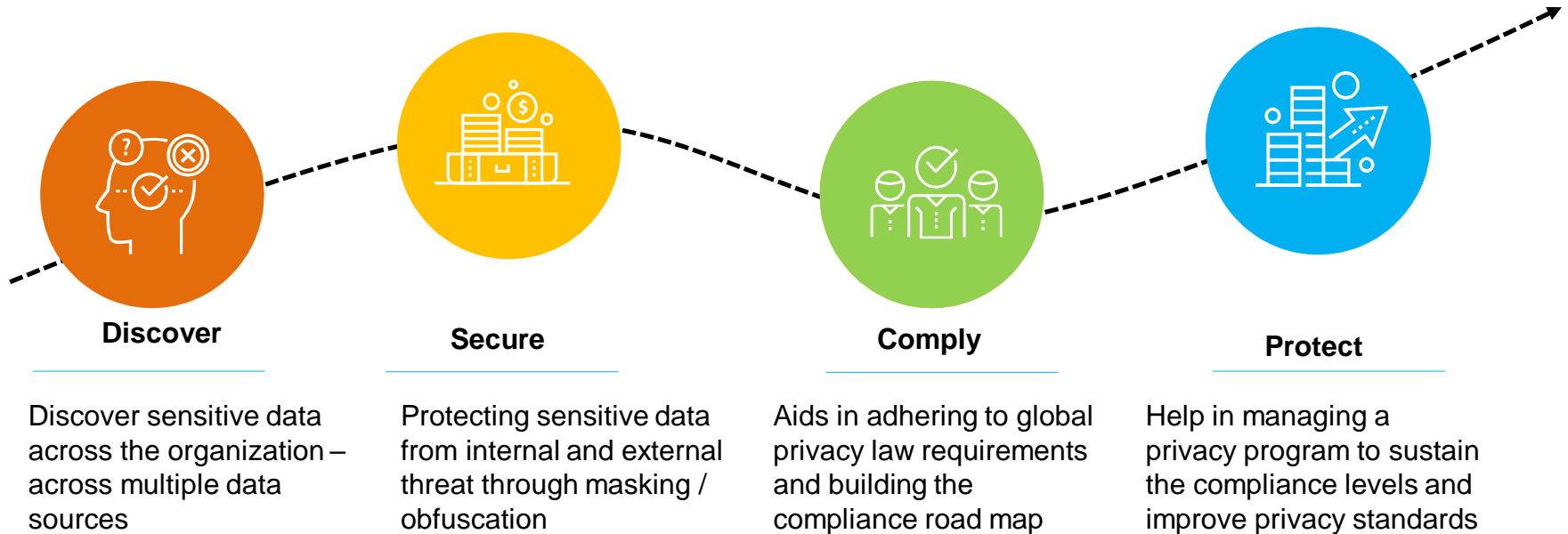


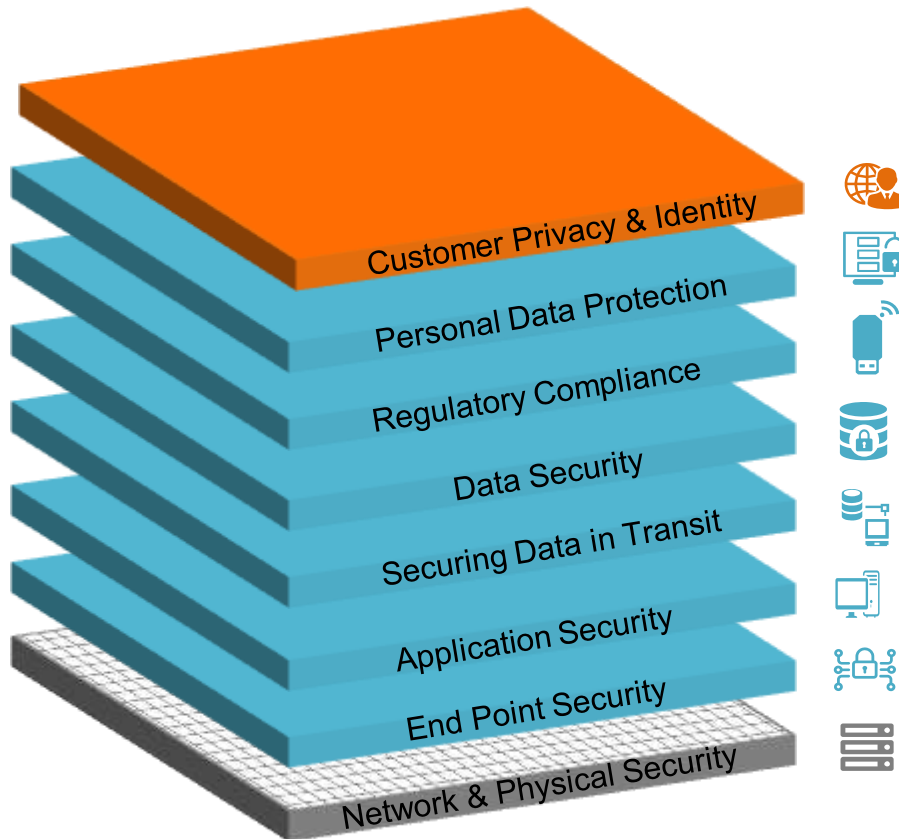
180+ Obfuscation Algorithms, ML based Sensitive Discovery, Data Protection and Data Generation



How can we help you build Privacy and Data Security in your Pipeline?

Infosys Enterprise Data Privacy Suite is a patented, enterprise class data security suite which enables organizations to protect and de-risk sensitive data. iEDPS helps enterprises to reduce the cost of compliance.





Infosys Enterprise Data Privacy Suite

AI based Sensitive Data Discovery

Differential Privacy*

Personal Data Protect.* Consent Mgmt.*

Risk Assessment* Regulatory Templates

Encryption Data Masking

Data Sub-setting Synthetic Data Gen.

Dynamic Data Mask ML Based Test Data

Data Lineage

Demo - Key Use Cases

Discover



- Identify the key data sources in the IT landscape
- Discover the sensitive entities by Taxonomy or Pattern matching

Protect

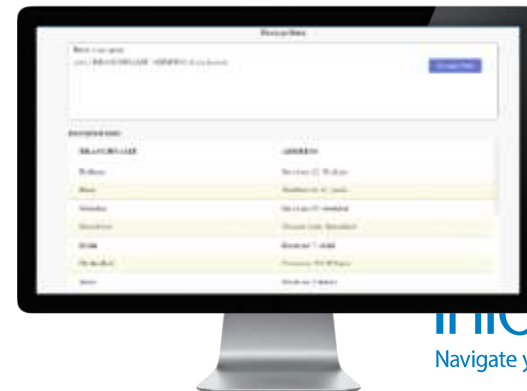


- Migration of data from Prod to non-production environment
- Configure Masking Models based on need and execute the key algorithms

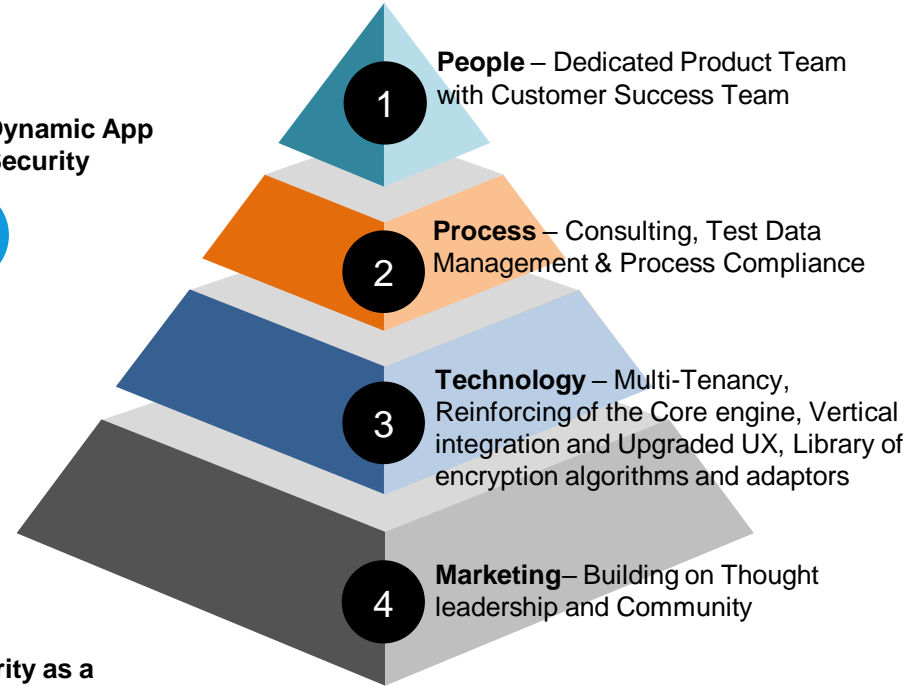
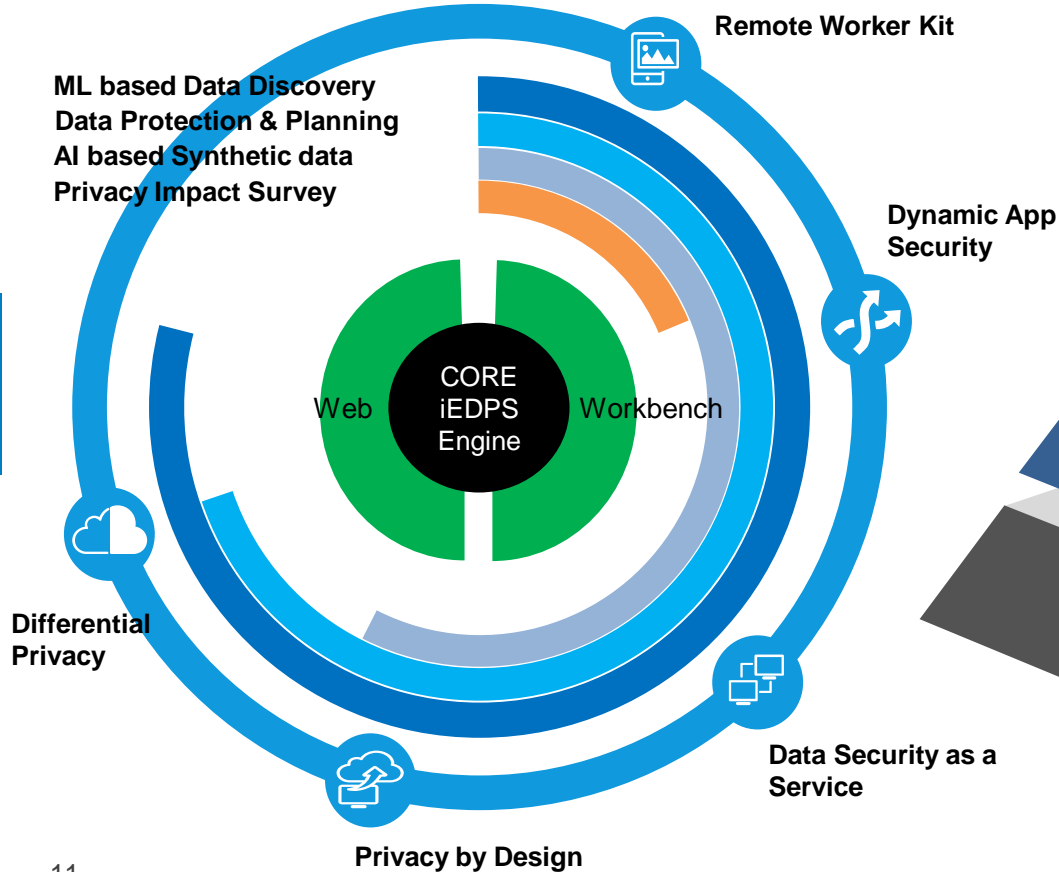
Secure



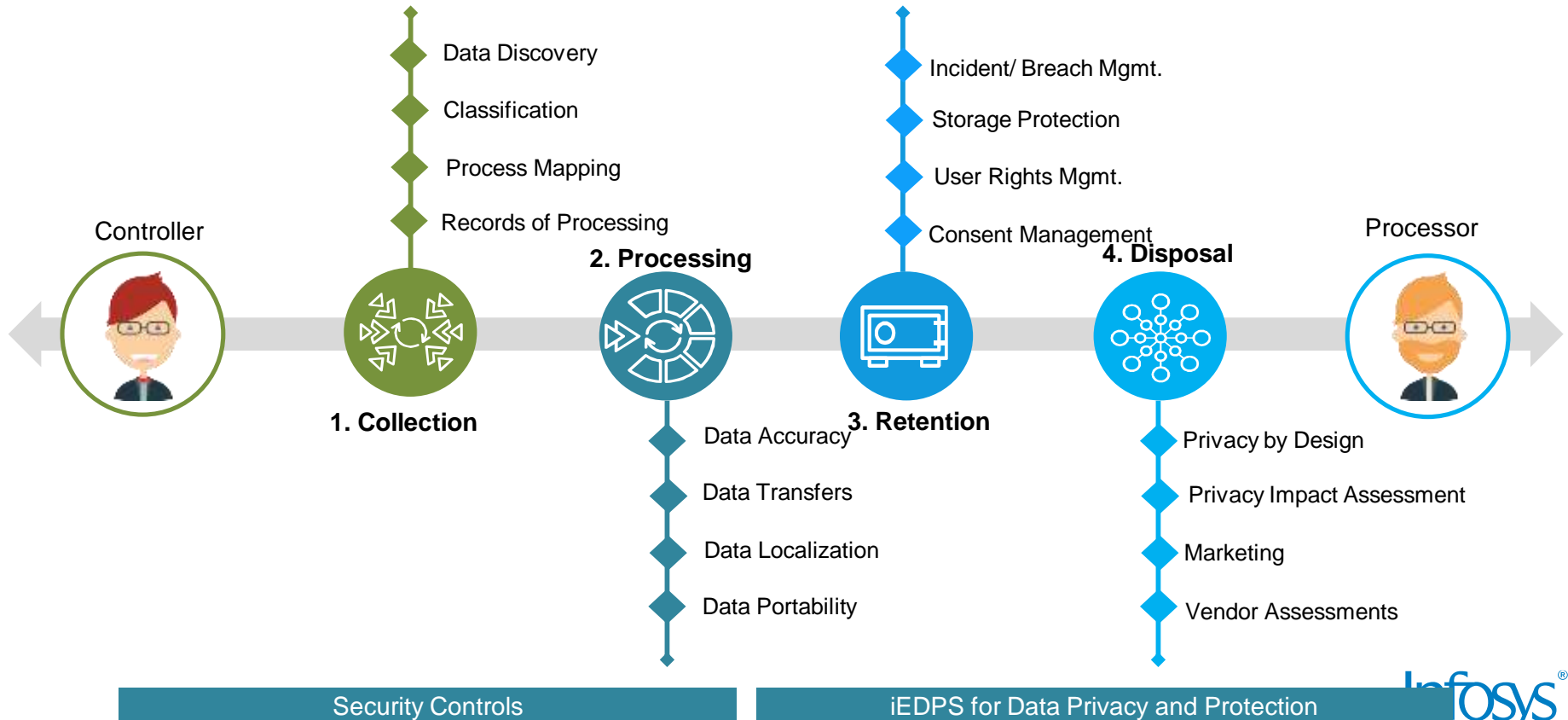
- Conditional Masking - Mask data that exceeds the retention period
- Contextual Test Data Generation
- Reversible masking techniques like encryption with Secure Key



What is our Product Vision?



How does iEDPS Aid the Infosys Data Privacy Framework?



iEDPS - Streamlines Data Privacy and Compliance Needs...



Simplified Process Driven User Experience

Actively track business users and roles



Customize and manage user preferences

Schedule, Track and set your privacy goals

E2E view of Data Privacy

360 degree view of your Organization Data...



Connect to multiple data bases and key inventory

E2E Traceability of Data through Lineage



AI Based Data Discovery

Well evolved encryption and masking capabilities

Data Virtualization and support for multiple file types

Key Success Stories





Data Discovery



Data Masking

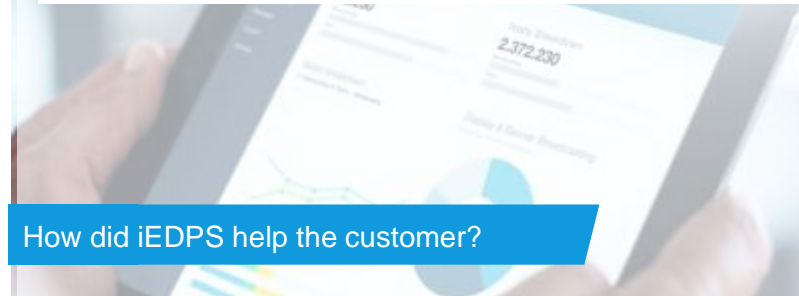


Sub-setting

Data Protection & Sanitization on Hadoop based Secure Data Exchange

Key Asks and Challenges

1. Varied data sources like Teradata, RDBMS like Oracle, Big Data like Hive, HDFS, etc and on legacy systems like IBM DB2 and mainframes
2. 5000+ databases in the organization
3. Comply with various data privacy regulations
4. Golden copy with masked data for testers.



Value add from iEDPS

How did iEDPS help the customer?

40% Effort

Productivity Improvement - Desensitize lower environments for all testing needs including unstructured data



Stringent timeline and compliance to regulations



5000+ Applications

1. Sqoop data in to Hadoop from various sources.
2. Quick turn around time for masking by leveraging map reduce jobs
3. Used 180+ out of the box algorithms and also developed custom algorithms to cater to special masking needs
4. Helped customer build and train a centralized data protection body which would ensure that the sensitive data present in the organization across various LOBs was masked before handing over to offshore or testers.



Data
Discovery



Data
Masking



Synthetic Data
Generation

Next Gen Data Obfuscation for HIPAA Compliance for a Health Plan Administration Platform

Value add from iEDPS

40%

Reduction in TCO
– Testing activity

4 Months

Faster time to
market



Diverse Data
bases and various
technologies

Key Asks and Challenges

1. Complexity of Facets in an Integrated Environment
2. Heterogeneous Platforms
3. Need To Retain Data Integrity & Consistency
4. Diversity Of Data Sources

How did iEDPS help the customer?

1. Infosys iEDPS was used to mask the data sources (FACETS, Oracle, EDI X12 files, ITS files)
2. EDI files (837, 834, 820) were masked every time a new claim came into the system
3. Exclusion rules were configured to exclude application specific information from being masked. This was done to ensure that other dependent systems continued to work after obfuscation.



Data Discovery



Data Masking



Compliance

Refine Sensitive Data Discovery and Classification for CCPA compliance

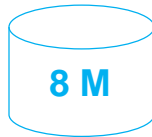
Key Asks and Challenges

1. Need to build a privacy model to avoid expensive data breaches and compliance to CCPA
2. Identify level of sensitivity in the personal data discovered and classify for end customers and partners
3. Identify the applications & databases in scope for data discovery and perform automated data discovery
4. Review the access level to large volumes of metadata

Value add from iEDPS

\$7500 USD

Saved per breach



8 M

High volume of records



Diverse Data bases and various technologies

How did iEDPS help the customer?

1. Intelligent and refine discovery report of sensitive data across 130+ Data bases and 98 applications
2. Simplified Solution configuration for CCPA and installation on Customer ecosystem
3. Perform automated data discovery to map the PII data for compliance
4. Tailored workflows and customized utilities to refine the data discovery process

Thank you



Website



Fact Sheet



Marketing Video



Support Email

Marketing Collaterals (Click on icons)