## Delivering data governance to large, highly regulated organizations

Creating a data governance solution that provides holistic oversight, protection, and accountability for organizational data is a complex challenge for many organizations.

Current and prospective clients face a number of governance and privacy challenges managing their end-to-end data obligations. These challenges are compounded as organizations work to lower their total cost of ownership and operational risk.

### The Business Problem
Data serves different purposes for different organizations (such as administrative, operational, regulatory), comes in different forms such as structured (searchable by data type typically stored within a database), semi-structured, and unstructured (typically stored in storage, file servers, laptops, PDAs, etc), is located in different places (offsite or onsite), and has varying degrees of importance for different users of an organization during normal operations and during disaster scenarios. All of these variables create significant complexity in attempting to develop a comprehensive data governance program.

To compound the matter, the amount of data under management at most organizations is growing faster than most organizations can effectively handle, resulting in over-procurement of storage hardware, offsite space, and replication bandwidth, mishandling of highly regulated data, and a lack of a clear and cost-effective data discovery and disposition process. Organizations also struggle to keep tabs on their data due to its creation at multiple points within the organization.

At the same time, most organizations have significant regulations placed on them for managing their data. Their governance of this data throughout the creation, storage, and disposition cycle presents many gaps in oversight, protection, and encryption. Additionally, privacy regulations are expected to increase requiring more oversight and protection of personal data. These regulations create another dimension for organizations trying to bring their data under control.

Lastly, this creates specific problems when attempting to activate disaster recovery solutions. Most organizations account for personnel and RTO/RPO, but exercises rarely validate access to all necessary data

**What are the questions we are hearing from customers in large, highly regulated organizations?**
- Where is all my data?
- I have too much data. What can / should I delete and where do I start?
- How do I effectively access my data in a disaster recovery scenario?
- How do I efficiently and effectively produce data required for a litigation or regulatory event?
- How can I strategically manage and govern data via policies and technology solutions?
- How do I manage data requirements for third party service providers and business partners?

**What does the R3 Data Governance solution deliver?**
- Data Risk Assessment
- Data Classification Model
- IAW Regulatory Requirements
- Operational Framework
- Mapping of the Data Universe
- Control and Policy Recommendations
- Tool Recommendations and Implementation

**The R3 data governance framework addresses these key regulations:**

| Data Type | Regulation |
| --- | --- |
| PII | Federal, State |
| PHI | HIPAA |
| CHD | PCI |
| PFI | GLBA |
| Financial Data | SOX |

required for the organization. It is often unknown until a true disaster is declared.

Therefore, organizations require sophisticated solutions with overarching guidance as well as point solution recommendations to resolve these issues and set a path toward consistent data governance.

## The R3 Data Governance Solution

| Manage | Data Governance | End-to-end program for managing corporate data (policies, taxonomy, metadata, standards, etc.), resulting in substantial improvement in QA and data quality/re-usability |
| --- | --- | --- |
| | Data Risk | Program to manage inherent risk in corporate data, with a focus on strong growth in unstructured environments |
| | Data Universe | Program to manage data most effectively and efficiently based on multiple criteria: storage options, tiered storage based on availability requirements, data types (structured vs. semi-structured vs. unstructured), offsite vs. onsite, application inventory |
| | Information Lifecycle Management (ILM) | Comprises the policies, processes, practices, and tools used to align the business value of information with the most appropriate and cost effective IT infrastructure from the time information is conceived through its final disposition |
| Protect | Data Protection/ Recovery | Protect data "at rest" and "in flight" |
| Regulate | Data Discovery | Produce data for regulatory event, litigation, filing, internal/external audit |
| | Data Regulators | Program to document and make transparent corporate data processes based on regulatory obligations (regulators, regulations, and records) |
| | Data Disposition | Program to dispose of data or redundant processes based on regulated/non-regulated data universe, typically resulting in significant cost savings |

**R3 Data Governance provides the framework, tools and methodology for implementing a risk-based data governance and privacy program.**

### Expertise
- Decades of experience delivering data-centric solutions including storage solutions, regulatory advisory, data discovery tool implementations, and data compliance audits—focused on lowering operational risk and increasing resiliency and recovery
- Partners from leading technology providers to design point solutions for a best-of-breed reference architecture
- Solutions center designed to provide the opportunity to explore, evaluate, and investigate this reference architecture

### Methodology
- Consistent approach at each phase, from creation to storage to disposition, with constant focus on protection
- Repeatable and practical risk process applied to all phases
- Lifecycle approach focused on long-term sustainability
- Built-in regulatory and compliance focus to reduce audit challenges and streamline litigation responses

### Results
- Roadmap for obtaining comprehensive data governance across entire organization
- Technical solutions integrated into the overall data governance strategy
- Continuous process improvement methods to drive optimization and the resulting cost reduction

**About SunGard Availability Services**
SunGard Availability Services provides disaster recovery, managed IT, information availability consulting services, business continuity management software to over 9,000 customers globally.

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