

Creating a Proven Data Protection Strategy

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Key Questions

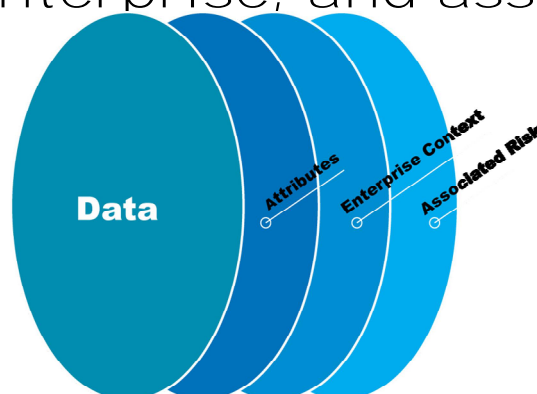
- Do we know what data is critical, when it is critical, and where it is?
- Do we know who is accountable for it (who owns it and/or controls it)?
- Do we know how it is used and how it should be restricted?
- Do we know how to protect it while enabling its effective use?

- Defining the Problem Space
- Enterprise Data Protection: Pre-requisite Work
- Defining Data Protection Requirement Sources
- Creating the Enterprise Data Protection Framework
- Creating The Enterprise Data Protection Strategy
- Questions & Answers



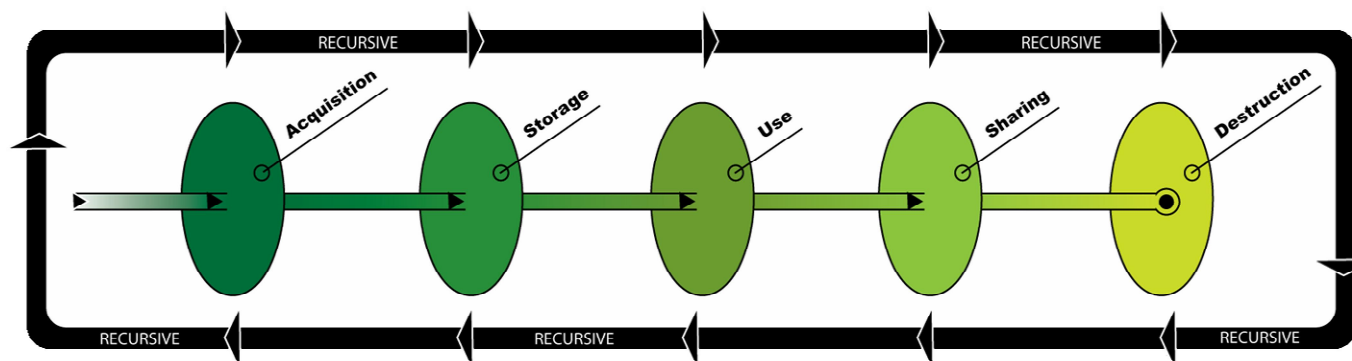
Data as an asset

Data is an asset with multiple attributes. The value associated with data is determined by its attributes, context within the enterprise, and associated risk.



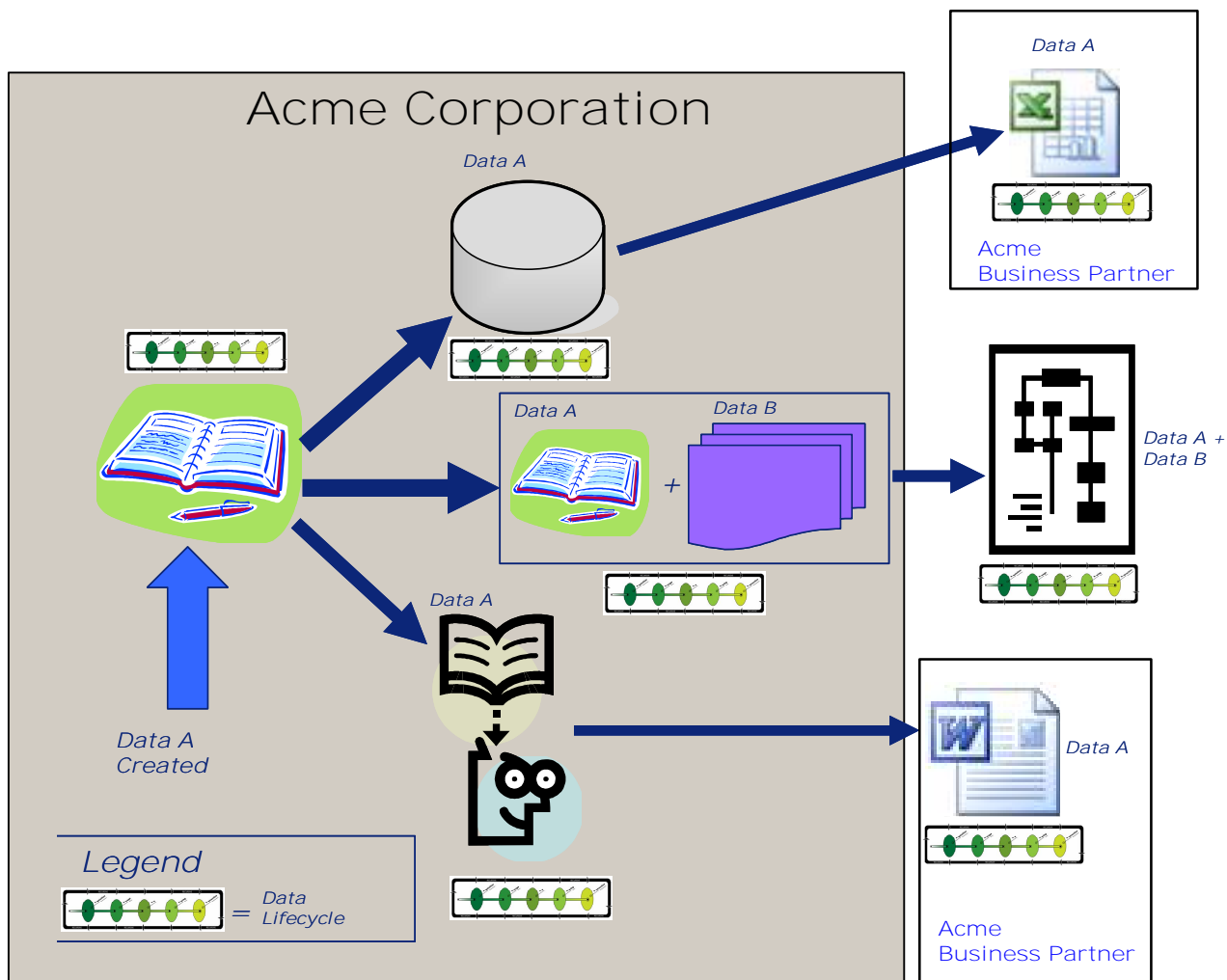
The nature of data changes over time, as it is stored, used and shared.

Data Lifecycle

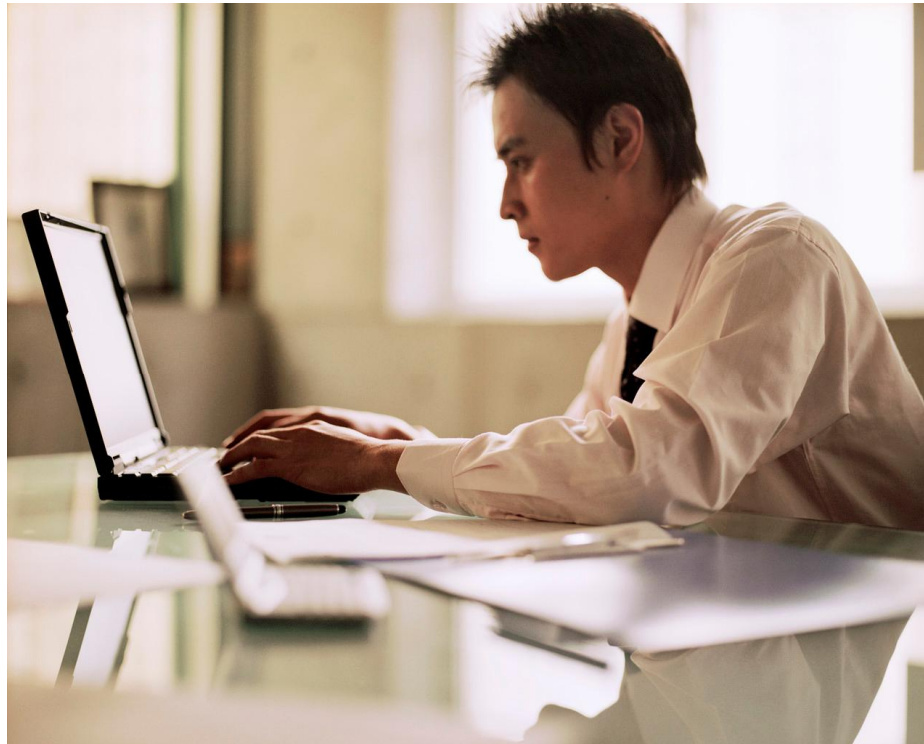


Problem Statement

How do you protect/control the data once it is outside the boundaries of your organization?



Enterprise Data Protection: Pre-



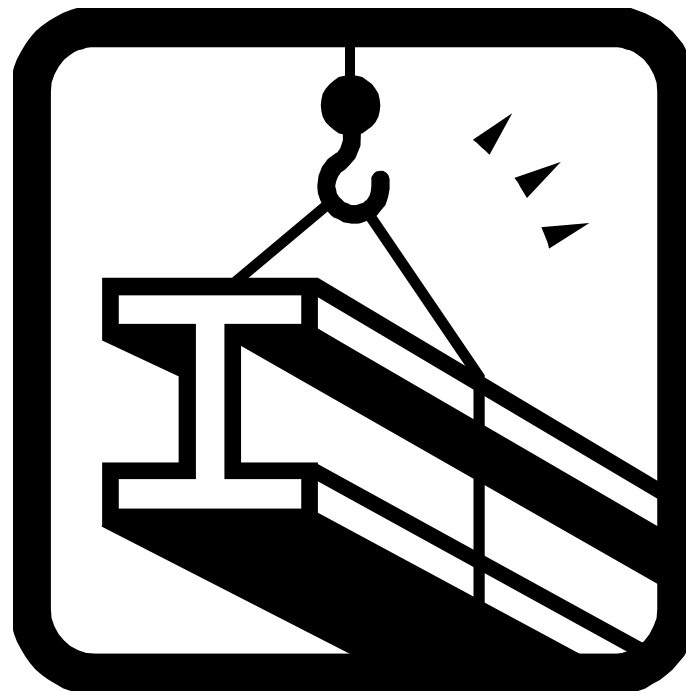
Enterprise Data Protection: Pre-

Key Questions:

1. What is the data (e.g. IP, PII, Financial, etc..)?
2. Where is the data?
3. How is the data used and by whom/what?

Pre-requisite Work

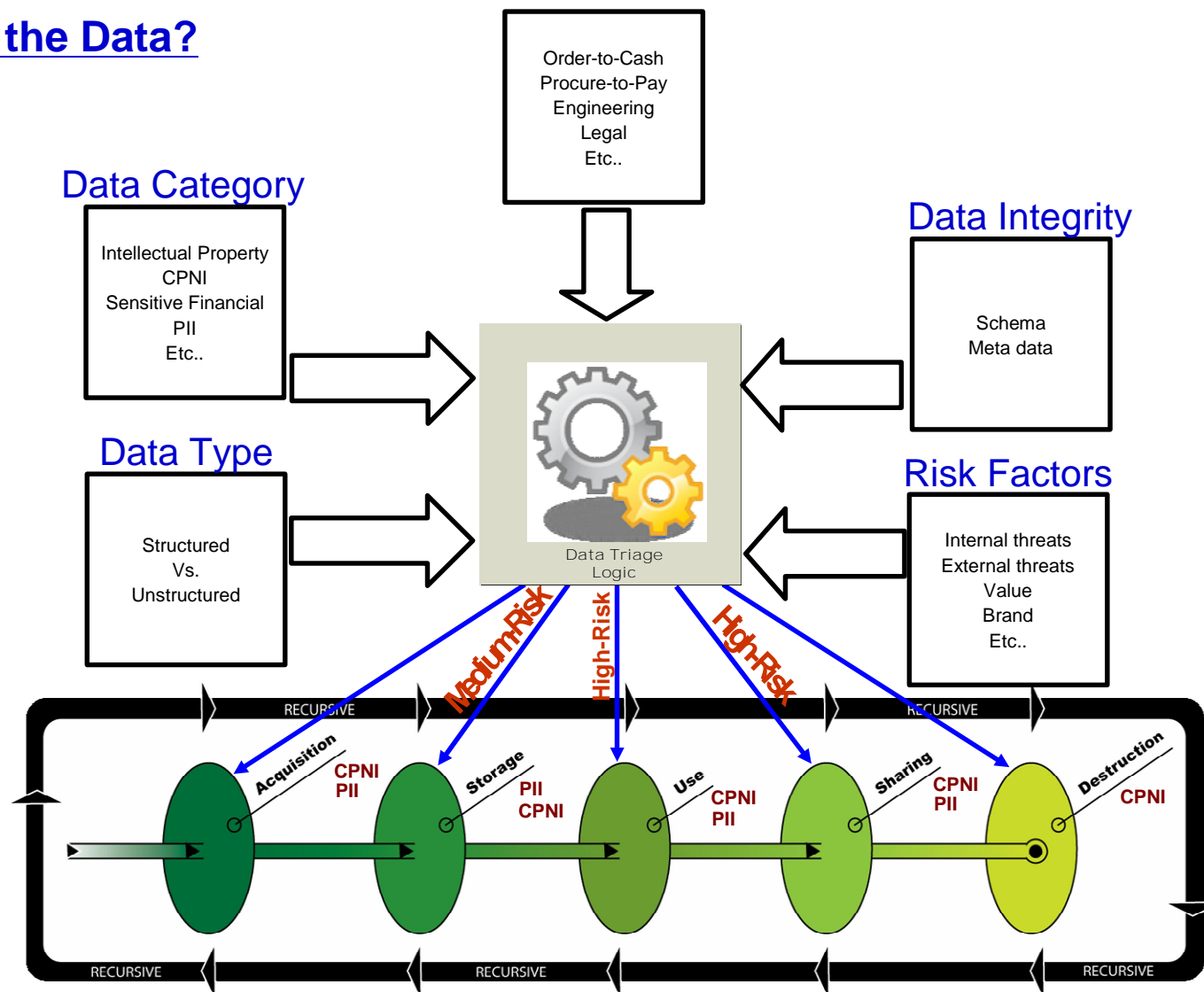
- Data classification policy (What?)
- Data and business process flow diagrams (Where?, How?)



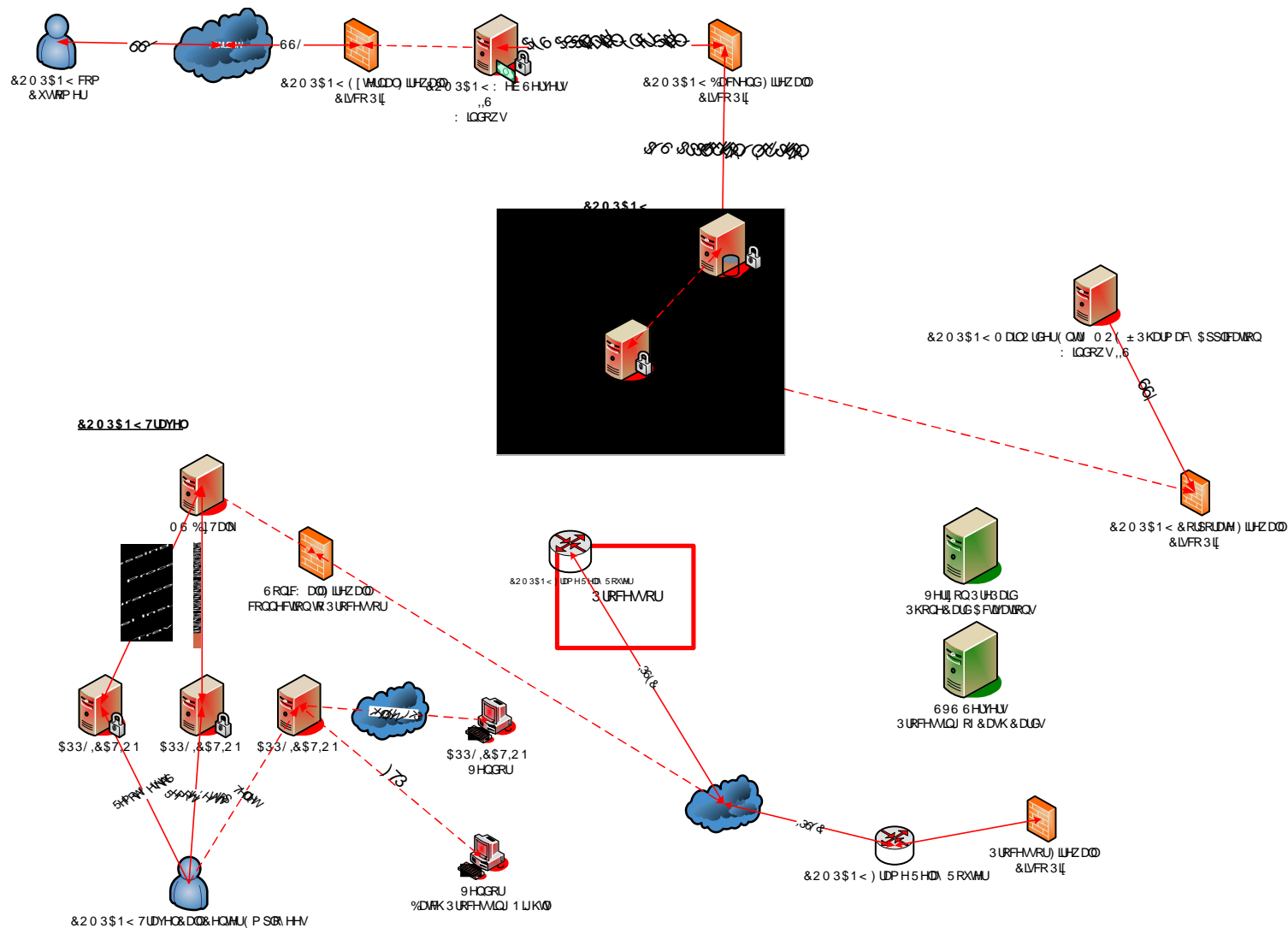
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- 3 – 4 categories should be sufficient
 - Public
 - Confidential
 - Confidential-Restricted
- Hopefully, data mapping exists between the business and applications/infrastructure
- Input into enterprise data protection framework development

Business Process Areas

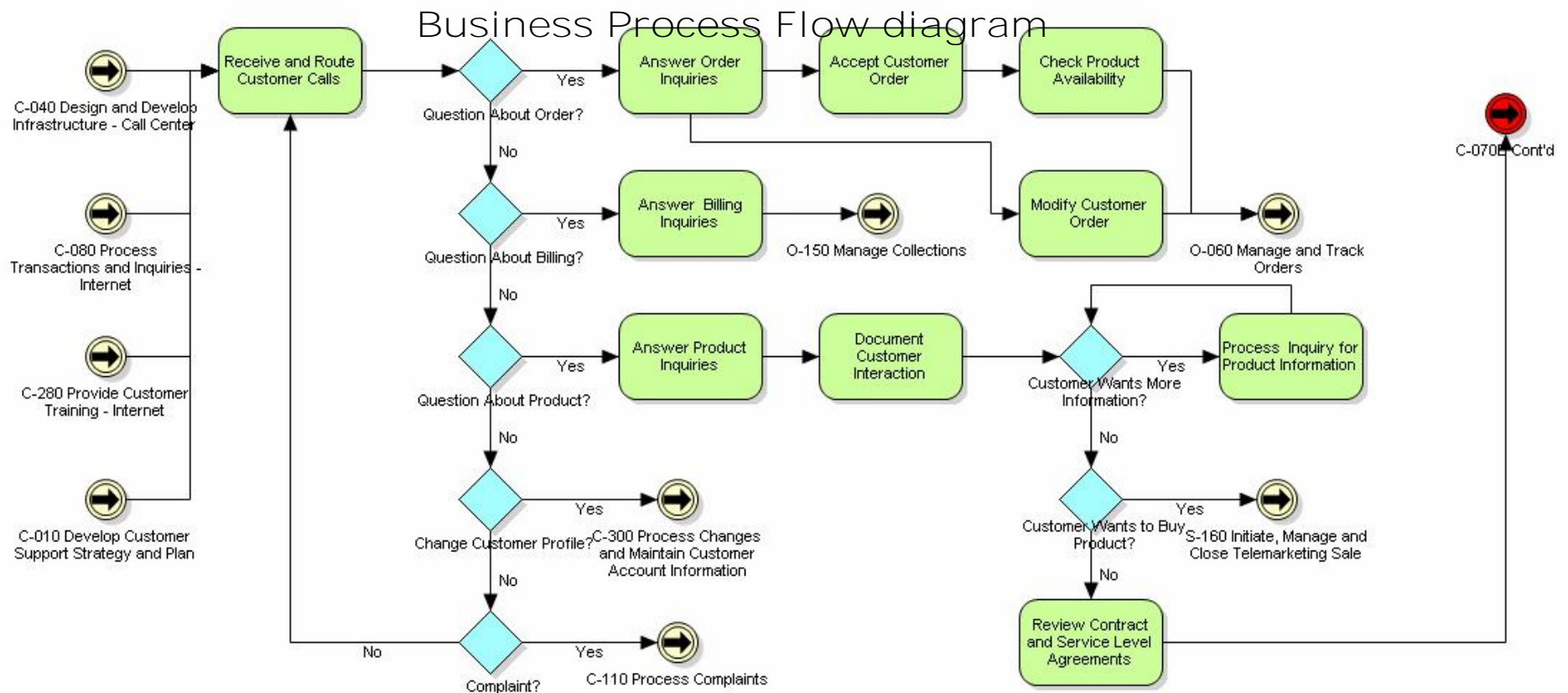
Where is the Data?



Data & Business Process Flow Diagrams



Data & Business Process Flow Diagrams

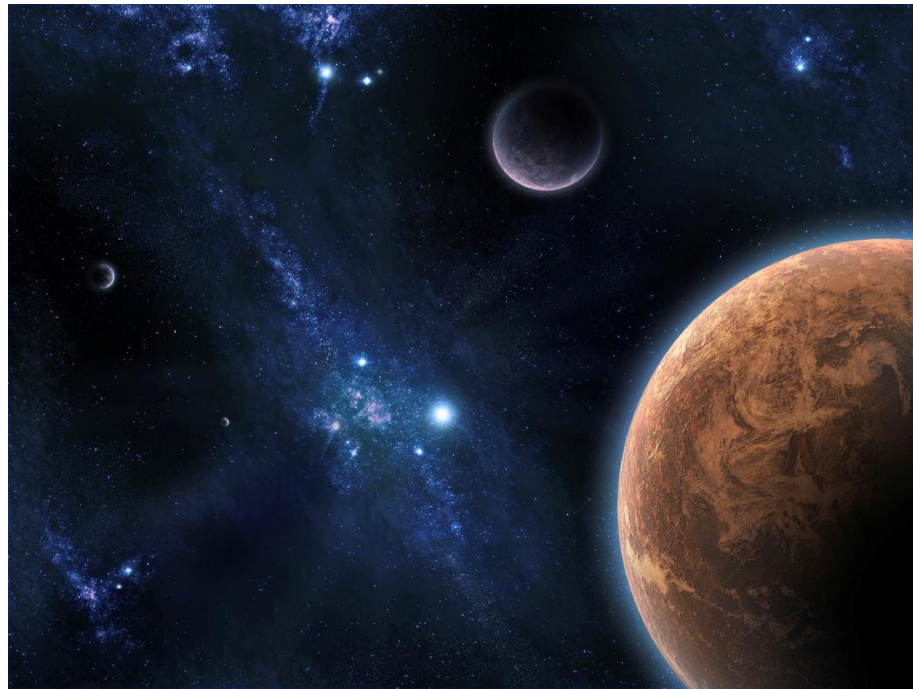


Defining Data Protection



Defining Data Protection Requirement Sources

- What is your “universe” of data protection requirements?



Defining Data Protection Requirement Sources

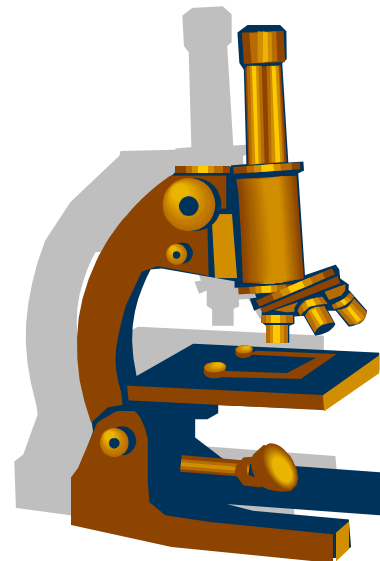
- To determine “universe” of requirements, each organization needs to consider:
 - All geographic locations of the organization
 - E.g. HQ in Chicago, sales offices in UK and France, manufacturing operations in Dallas
 - Industry affiliation
 - E.g. financial services, life sciences, high-tech, etc...
 - Regulatory requirements
 - Legal requirements
 - Contractual requirements
 - Data protection standard(s)

These parameters are inputs that define all of the data protection requirements

Requirement Sources

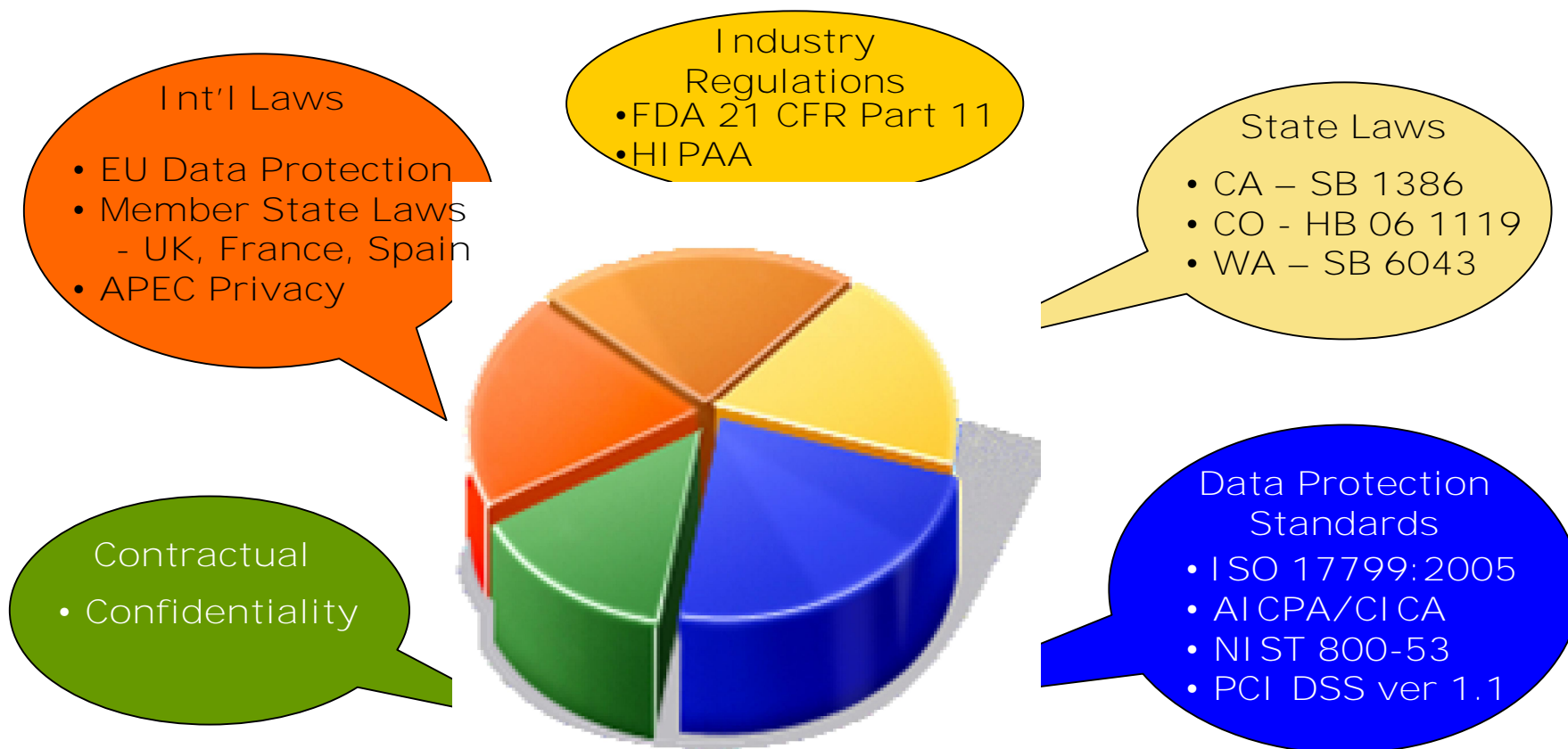
Example: Multi-national life sciences organization

- HQ – Los Angeles, Calif.
- U.S. operations in:
 -
- International operations in:
 - UK, France, Spain
 - Singapore, Tokyo



Defining Data Protection Requirement Sources

Example: Multi-national life sciences organization



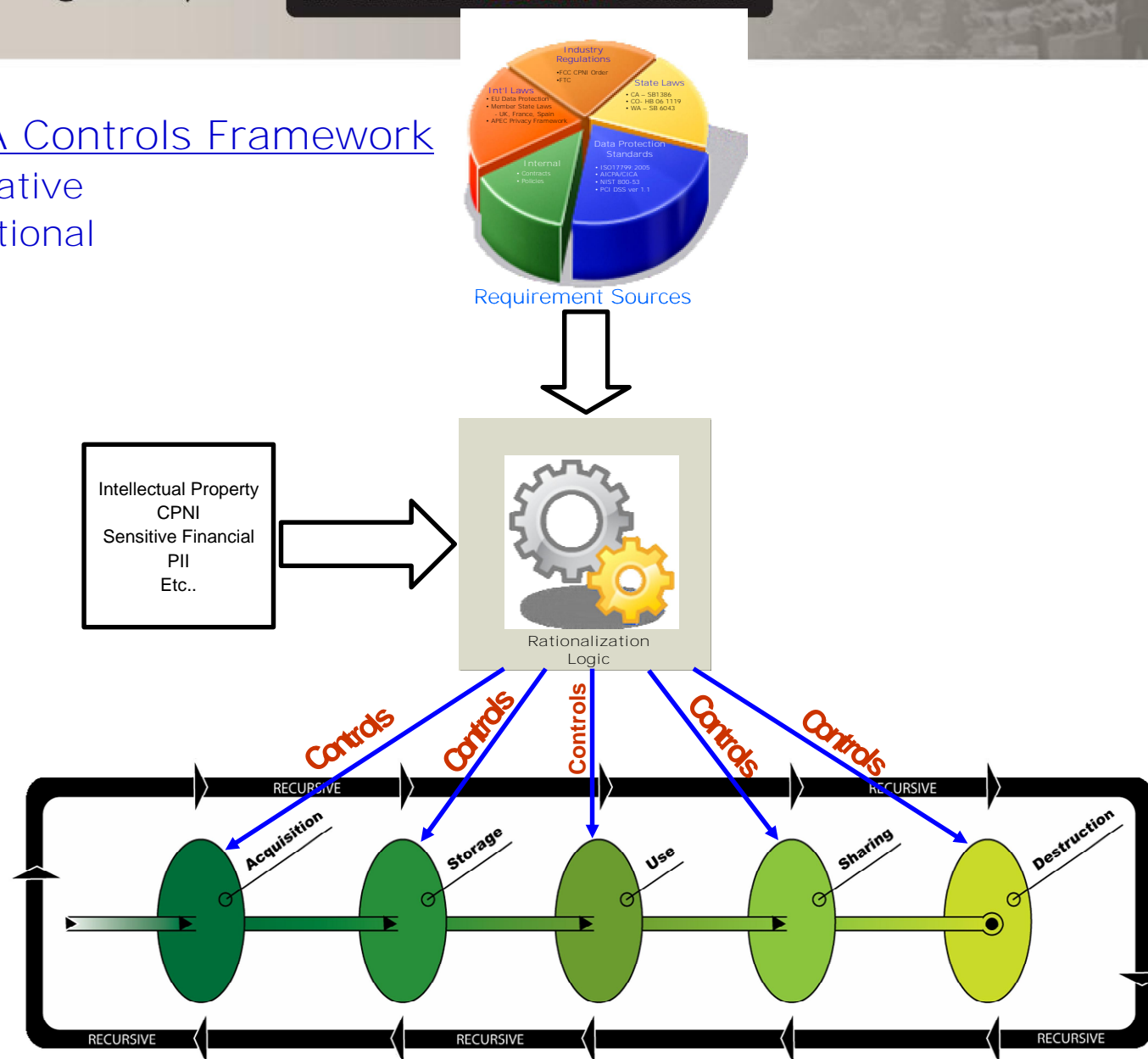


Protection Framework

- Three Step Process
 1. Select industry leading standard as basis of the enterprise data protection framework
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 2. Rationalize identified requirements against preferred standard
 3. Vet enterprise data protection framework with stakeholders

Developing A Controls Framework

- Administrative
- Organizational
- Technical

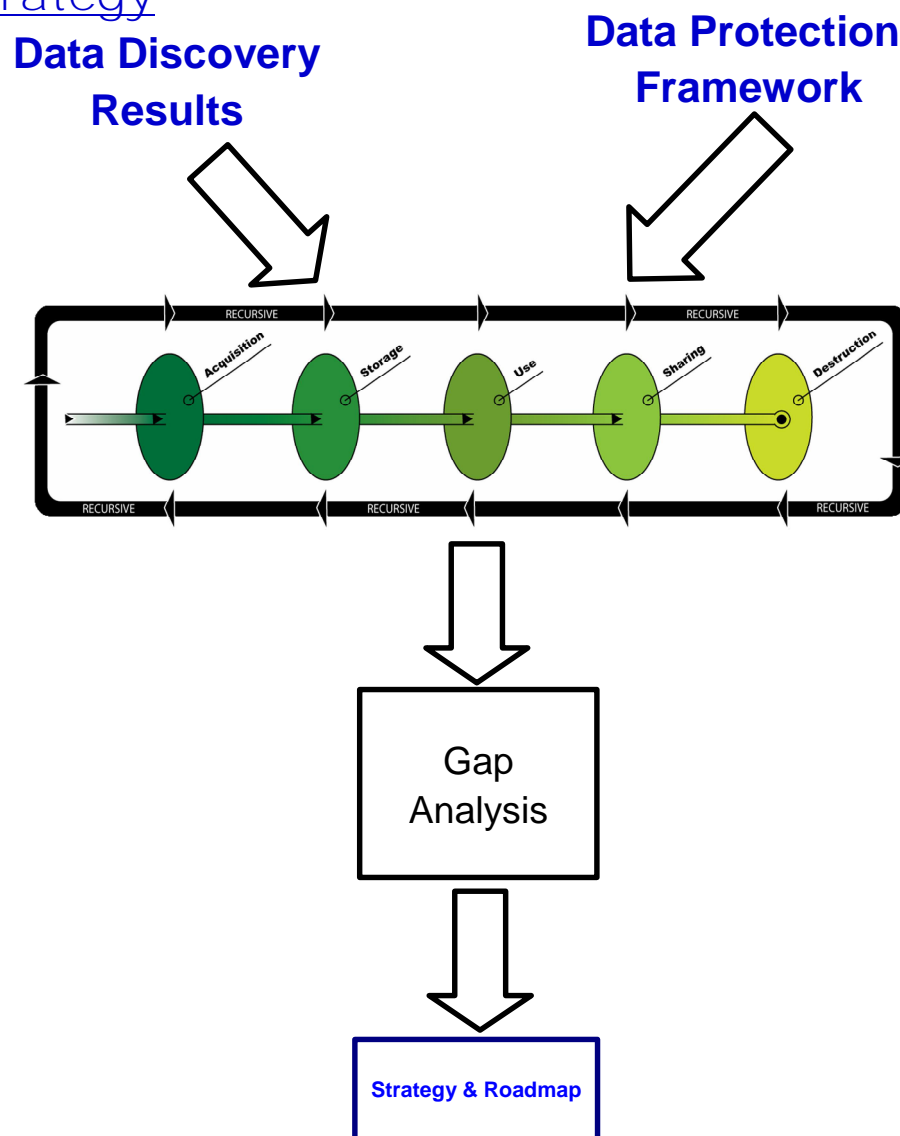




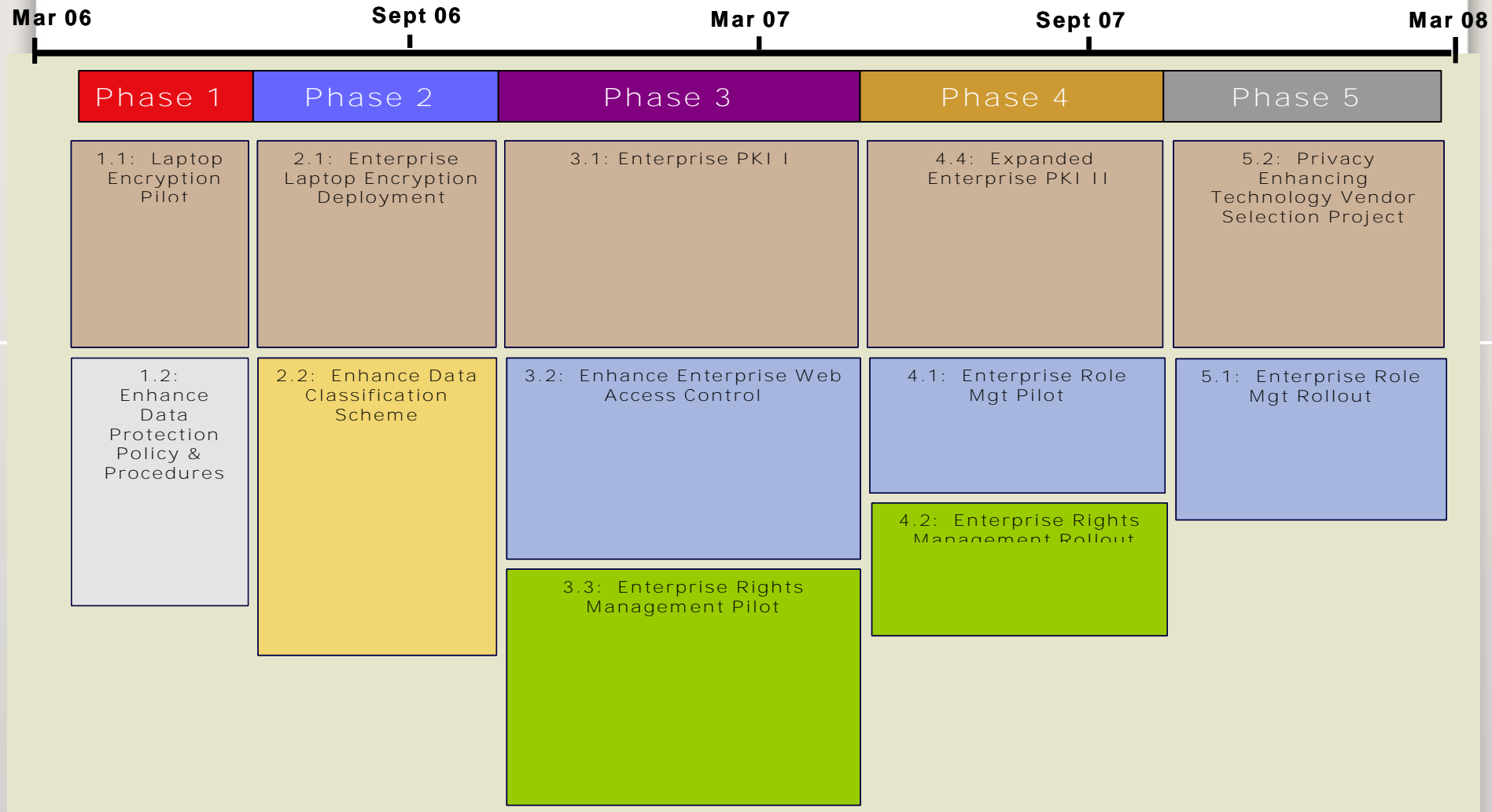
Protection Framework

- With the enterprise data protection framework, you can now:
 1. Perform a gap analysis of existing data protection controls
 2. Develop a strategy and roadmap for enterprise data protection program implementation and gap remediation

Gap Analysis and Strategy



Enterprise Data Protection Strategy & Roadmap



Example – Enterprise Data Protection Roadmap

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