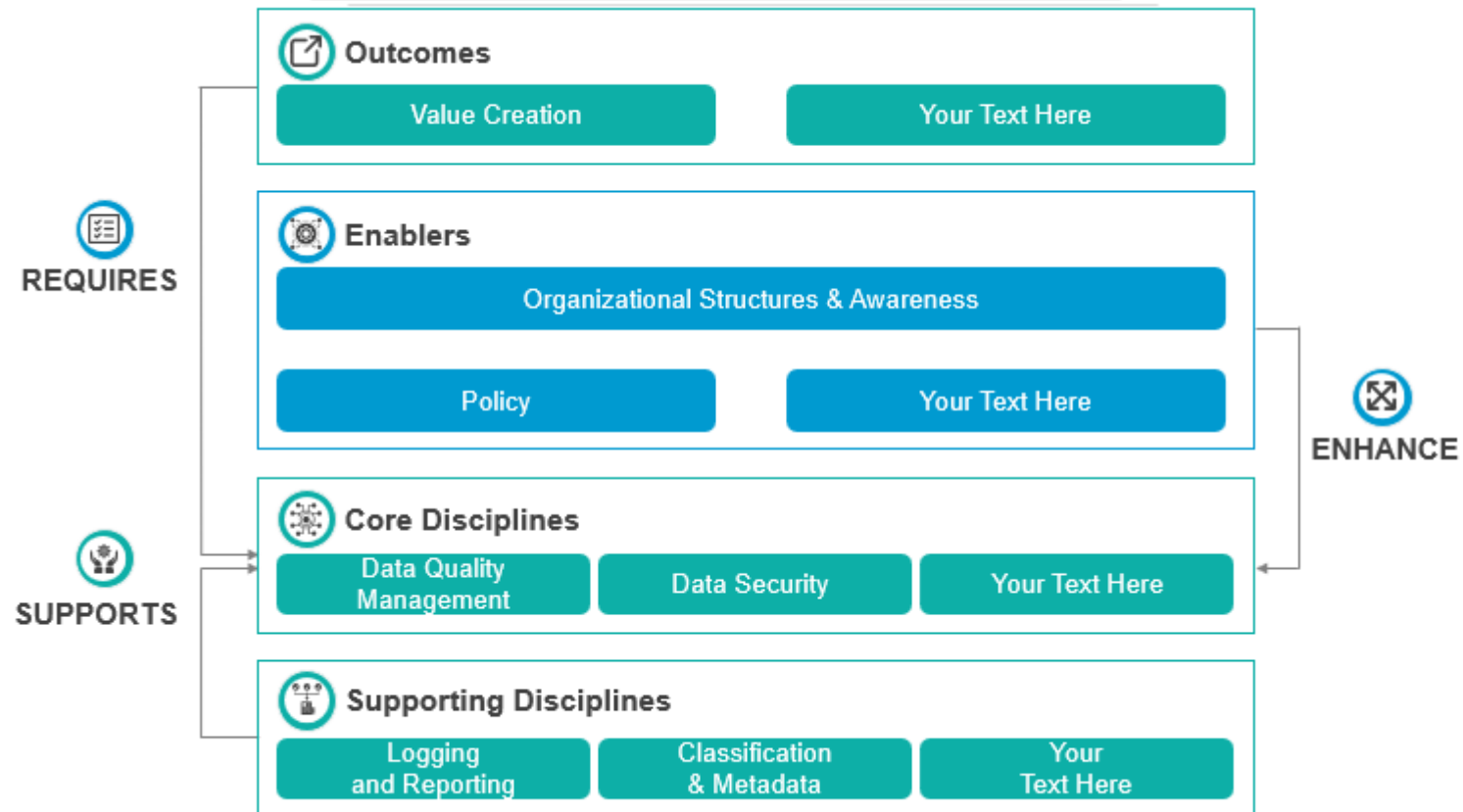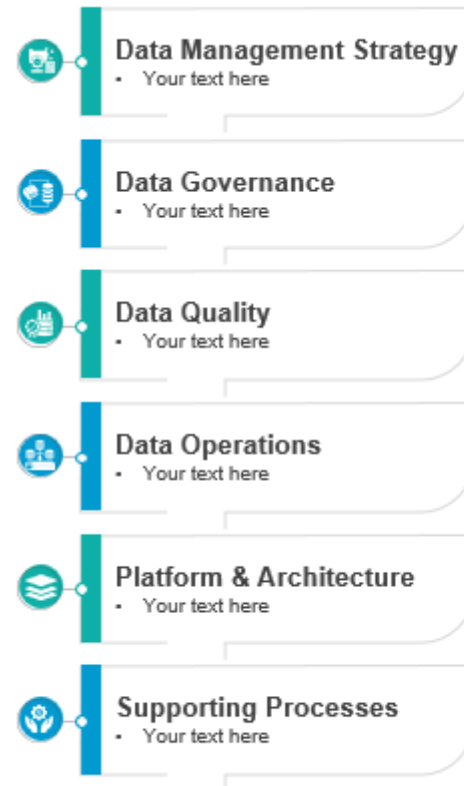# Data Management Maturity

Slide Team

Data Management Maturity Framework

Keep your data safe and intact with data management maturity framework. Follow the steps of data management and reduce the risks related to data processing with the help of data management maturity framework. Help your team optimize the use of data within the bounds of policy to maximize the benefits to the organization.

REQUIRES

SUPPORTS

Outcomes

Value Creation	Your Text Here

Enablers

Organizational Structures & Awareness

Policy	Your Text Here

ENHANCE

Core Disciplines

Data Quality Management	Data Security	Your Text Here

Supporting Disciplines

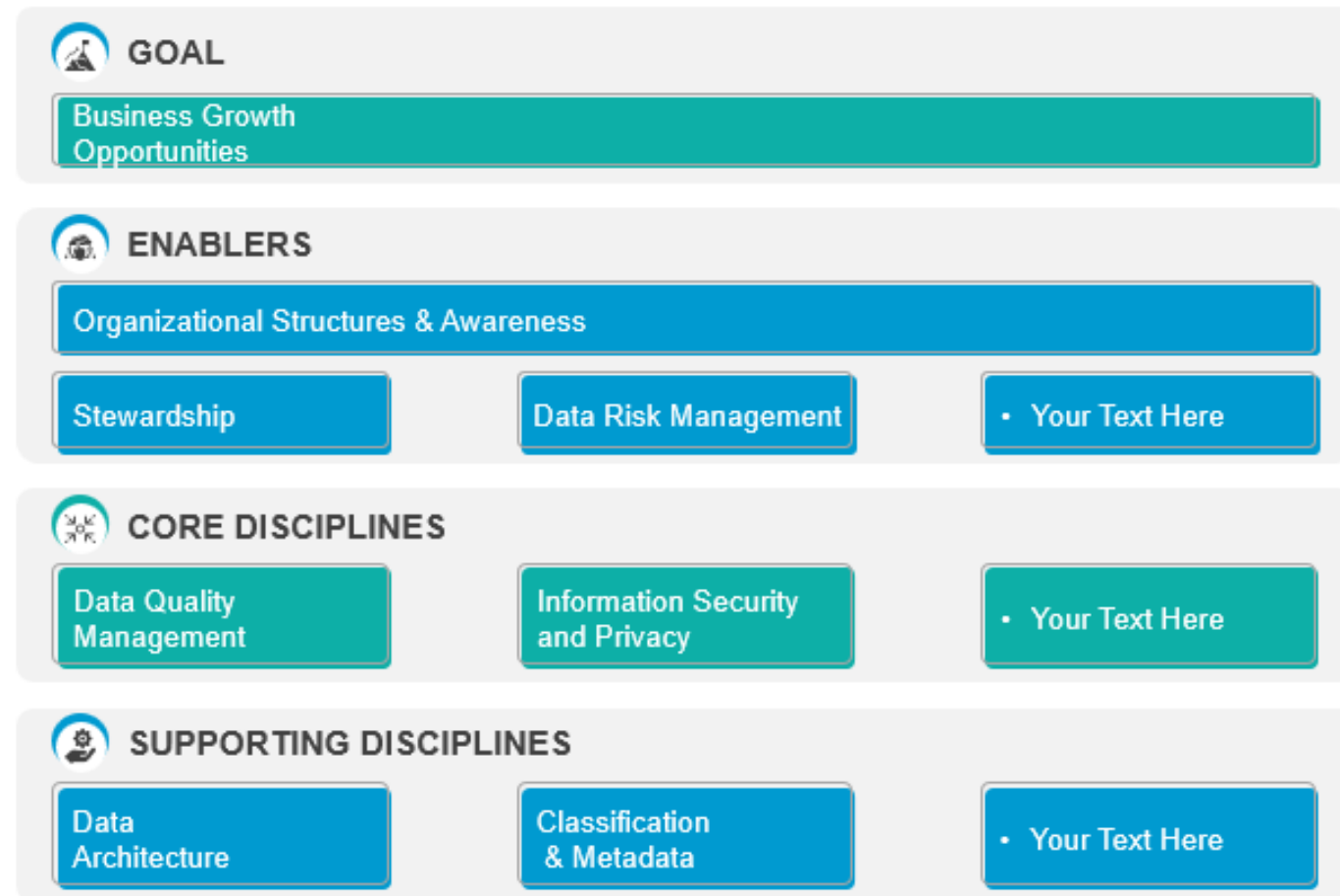| Logging and Reporting	Classification & Metadata	Your Text Here

Data Management Maturity Governance

Help your organization secure data and assist your team foresee potential threat and possibilities using data management maturity governance and strategy. Deploy data processing steps in your system to protect your company from risk and threats. A data management maturity governance guides organization in terms of data quality, operations, supporting processes, etc.

Data Management Strategy
- Your text here

Data Governance
- Your text here

Data Quality
- Your text here

Data Operations
- Your text here

Platform & Architecture
- Your text here

Supporting Processes
- Your text here

Data Management Strategy

Data Governance

Data Quality

Platform & Architecture

Data Operations

Supporting Processes

Implementation Oversight: Communication Coordination

Official Data

Metadata Oversight

Business IT Alignment

Stakeholder Alignment

Infrastructure Oversight

Data Profiling Results
○ Your Text Here

Business Process Data Requirements
○ Your Text Here

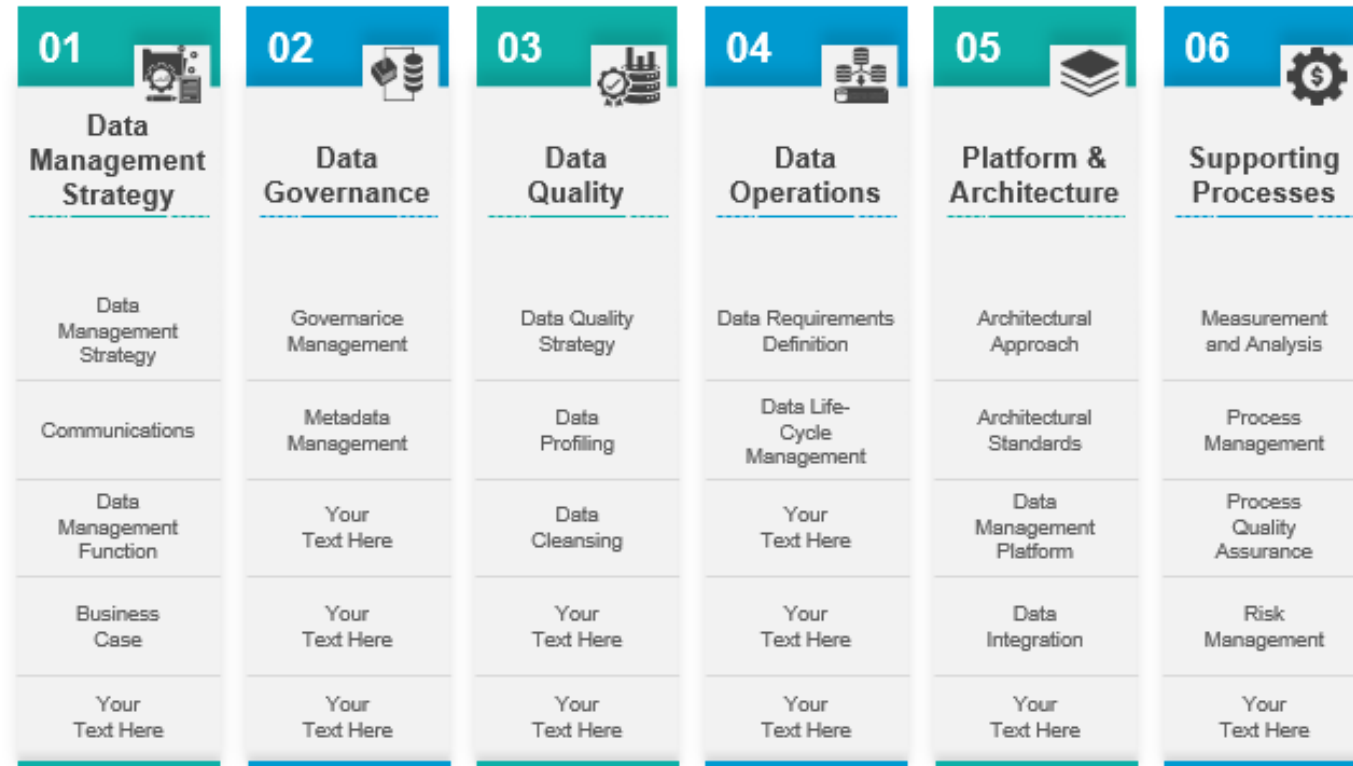Data Infrastructure

Data Management Maturity Model

Ensure that your company's processes have a high predictability of results and low risk of encountering unknown variables or situations. Walk your audience through steps of data management maturity model to improve the quality of functions and refine those functions to a level of "maturity". This data management maturity model displays goals for business growth, enablers, core disciplines, and supporting disciplines to identify capabilities required to enhance the performance.

GOAL

Business Growth Opportunities

ENABLERS

Organizational Structures & Awareness

Stewardship

Data Risk Management

· Your Text Here

CORE DISCIPLINES

Data Quality Management

Information Security and Privacy

· Your Text Here

SUPPORTING DISCIPLINES

Data Architecture

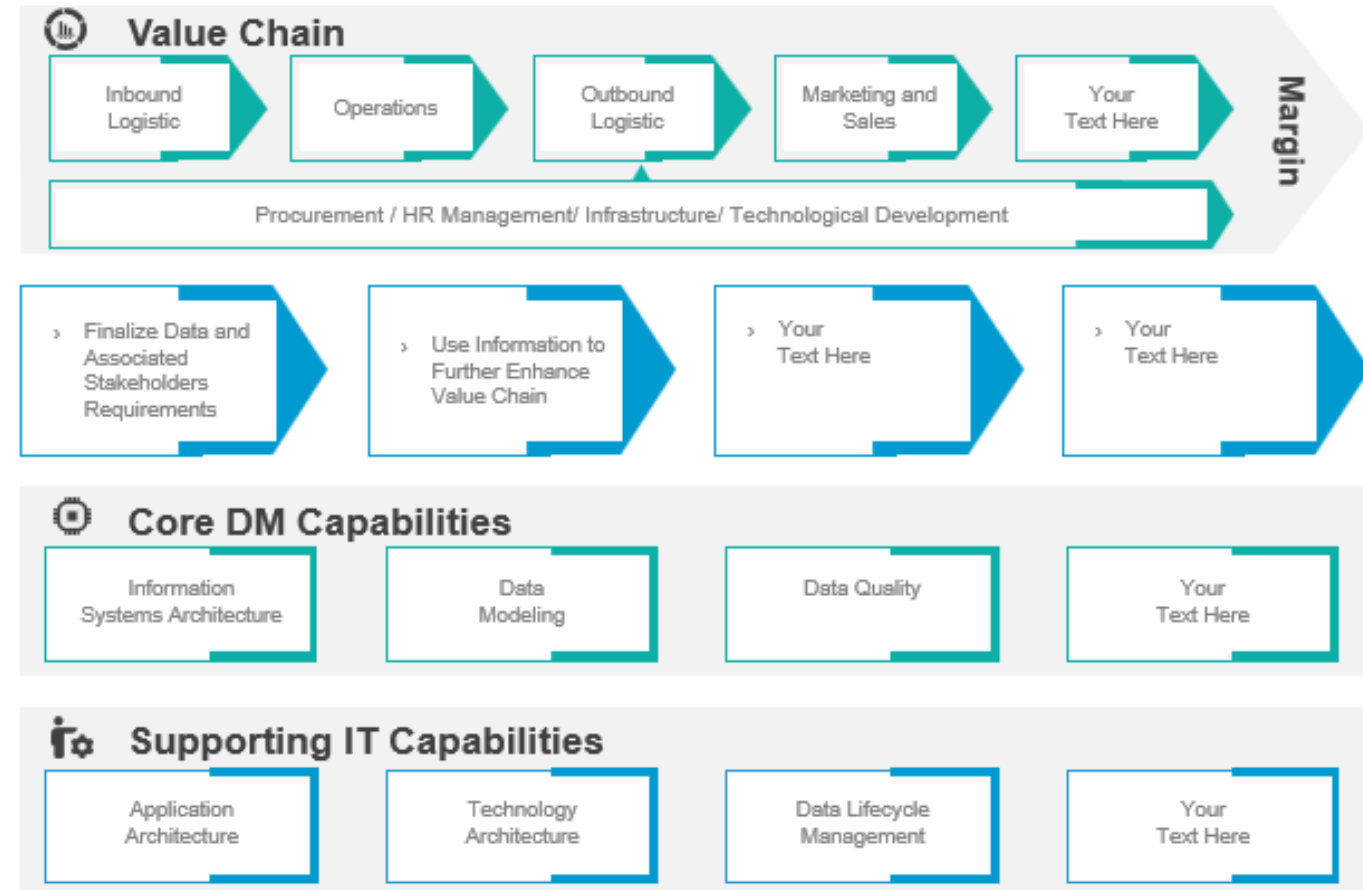Classification & Metadata

· Your Text Here

Data Management Maturity Model

A data management maturity model is a tool to help people analyze the current effectiveness of a person, group, or business processes. It provides you with the best practices plan to help organizations manage and control their huge volume of data with utmost efficiency. This well-constructed data management maturity model outlines steps to evolve data strategy and solution to transform data analytics processes to deliver high-quality solutions and products.
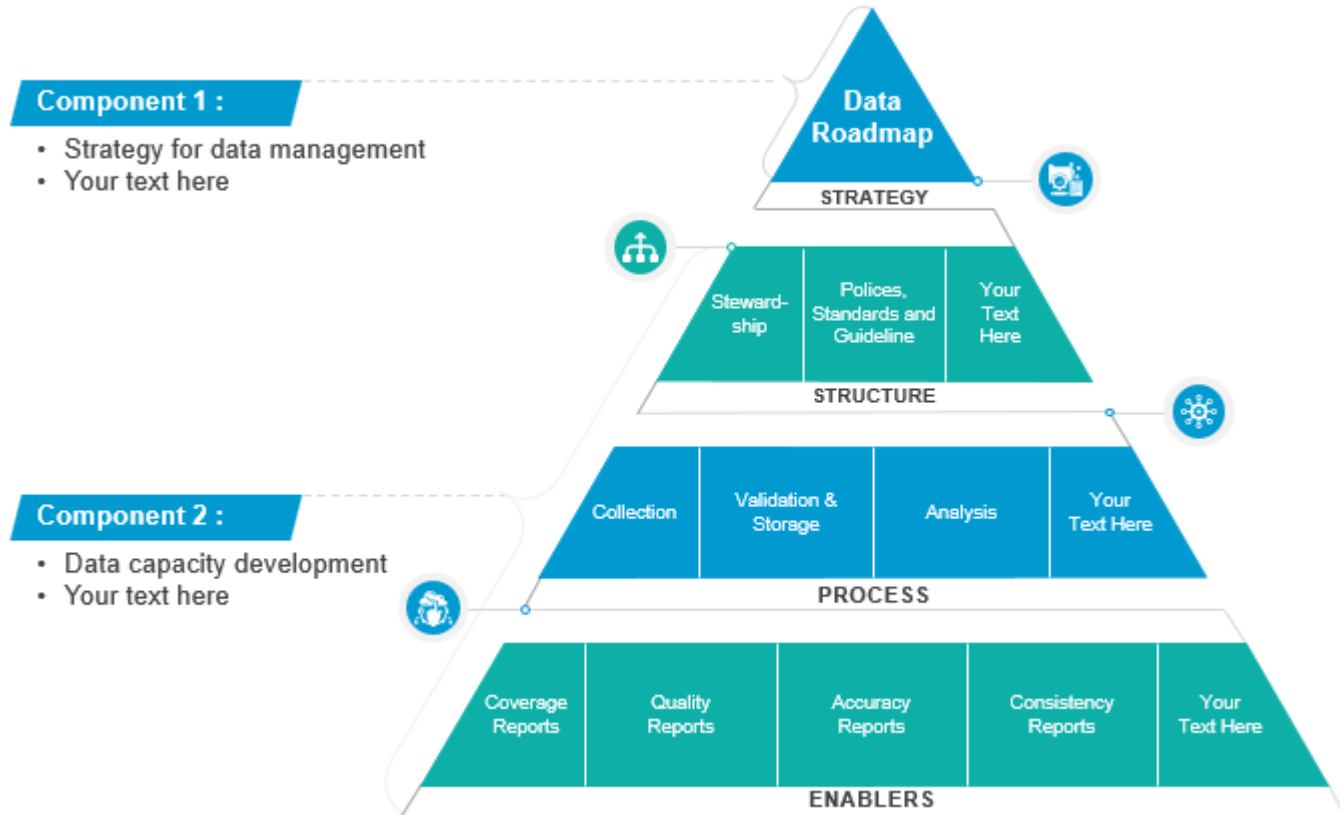
01 Data Management Strategy	02 Data Governance	03 Data Quality	04 Data Operations	05 Platform & Architecture	06 Supporting Processes
Data Management Strategy	Governance Management	Data Quality Strategy	Data Requirements Definition	Architectural Approach	Measurement and Analysis
Communications	Metadata Management	Data Profiling	Data Life-Cycle Management	Architectural Standards	Process Management
Data Management Function	Your Text Here	Data Cleansing	Your Text Here	Data Management Platform	Process Quality Assurance
Business Case	Your Text Here	Your Text Here	Your Text Here	Data Integration	Risk Management
Your Text Here	Your Text Here	Your Text Here	Your Text Here	Your Text Here	Your Text Here

CLICK HERE TO DOWNLOAD THIS TEMPLATE IN AN EDITABLE PPT FORMAT

Data Management Model with IT Capabilities

Outline well-structured and professional guidelines to help your company build, improve data management capabilities. This data management model with IT capabilities provide organizations with a panoramic view on ways to implement data management practices. It categorizes into sections such as, value chain, core capabilities, IT capabilities, and more to upgrade data processes, procedures, and standards that play vital role in the organizations.

Value Chain

| Inbound Logistic | Operations | Outbound Logistic | Marketing and Sales | Your Text Here |

Procurement / HR Management/ Infrastructure/ Technological Development

Margin

| › Finalize Data and Associated Stakeholders Requirements | › Use Information to Further Enhance Value Chain | › Your Text Here | › Your Text Here |

Core DM Capabilities

| Information Systems Architecture | Data Modeling | Data Quality | Your Text Here |

Supporting IT Capabilities

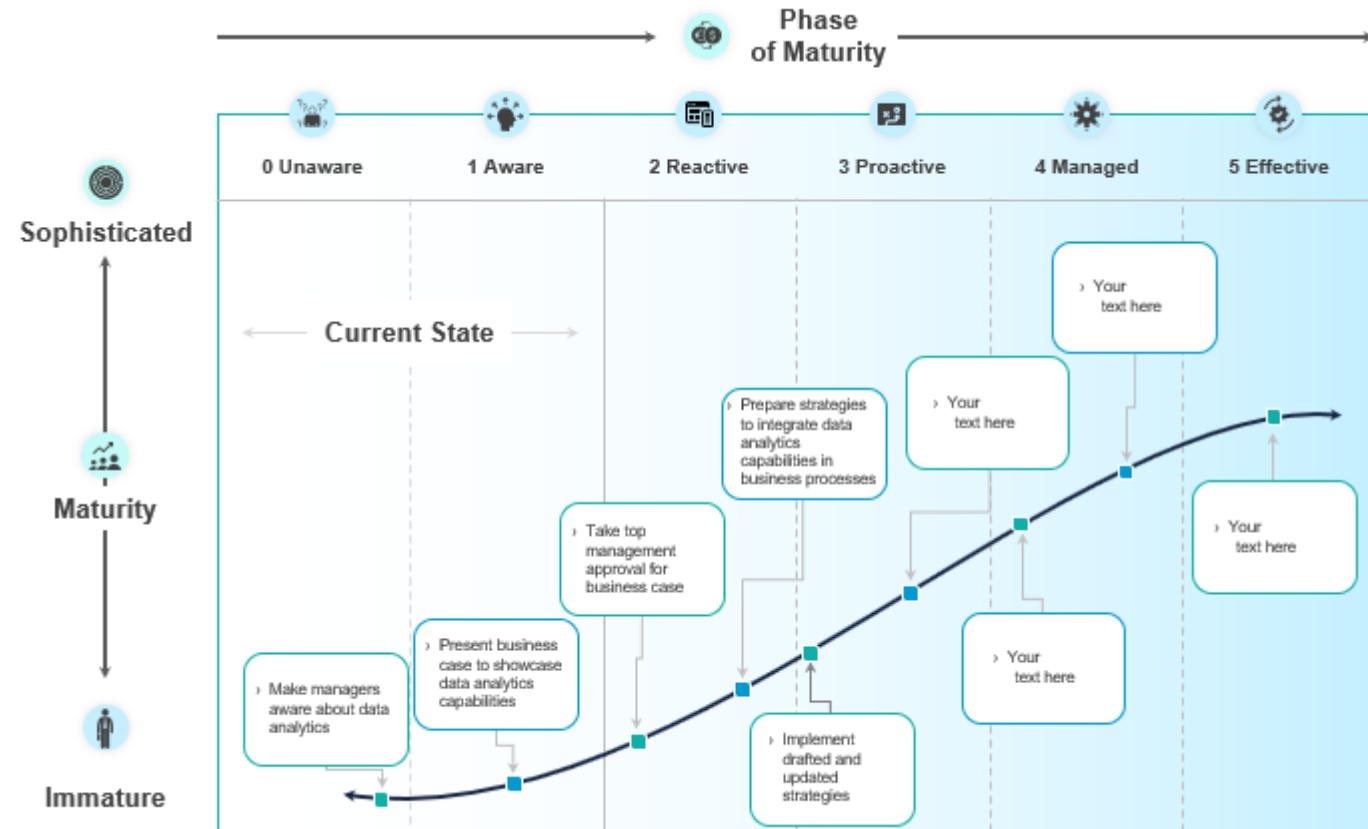| Application Architecture | Technology Architecture | Data Lifecycle Management | Your Text Here |

Data Management Maturity Pyramid

This data management maturity pyramid helps companies pave the path to success by defining and upgrading existing data processes. It helps organizations manage and monitor their data by creating polices and regulations that protect company's privacy. Create an easy to understand roadmap and help your company reach a level of maturity to improve work processes, systems, and functions.

Component 1 :
- Strategy for data management
- Your text here

Component 2 :
- Data capacity development
- Your text here

Data Roadmap

STRATEGY

| Steward-ship | Polices, Standards and Guideline | Your Text Here |

STRUCTURE

| Collection | Validation & Storage | Analysis | Your Text Here |

PROCESS

| Coverage Reports | Quality Reports | Accuracy Reports | Consistency Reports | Your Text Here |

ENABLERS

Organization Data Management Maturity

It is essential for companies to make better business-related decisions to enhance their growth and sales. Data management aids in reducing the risks associated with data processing and providing accurate data to people and organization to make informed and calculative decisions. This data management maturity model assists employees with optimizing the data to maximize their productivity and efficiency.

Phase of Maturity

| 0 Unaware | 1 Aware | 2 Reactive | 3 Proactive | 4 Managed | 5 Effective |

Sophisticated

Current State

Maturity

Immature

> Make managers aware about data analytics

> Present business case to showcase data analytics capabilities

> Take top management approval for business case

> Implement drafted and updated strategies

> Prepare strategies to integrate data analytics capabilities in business processes

> Your text here

> Your text here

> Your text here

> Your text here

Data Management Maturity Process to Reduce Attacks

The faster your organization detects and responds to a data breach or security incident, the less likely it is to have a significant impact on your business or operations. Deploy data management maturity process to reduce and mitigate attacks to prevent your organization from data breach. A data management maturity process comprises six steps to identify and relieve your organization from potential threats. This steps include collect, discover, qualify, investigate, neutralize, recover, and more.

Time to Detect

Time to Respond

Collect
- › Curate security event data
- › Your text here
- › Your text here

Discover
- › Perform data analytics
- › Your text here
- › Your text here

Qualify
- › Gather insights to determine risk level
- › Your text here
- › Your text here

Investigate
- › Perform root cause analysis
- › Your text here
- › Your text here

Neutralize
- › Your text here
- › Your text here
- › Your text here

Recover
- › Your text here
- › Your text here
- › Your text here

FAQs on Data Management Maturity

1. What are the different types of data security?

Organizations can put many data security measures in place to safeguard their data, devices, networks, systems, and users. Some methods of data security that organizations should consider combining to get the most robust systems are:

Access Controls: This includes ensuring all computers and devices are protected with mandatory login entry and that only authorized persons access their physical spaces

Authentication: It refers to identifying users before they have access to data. This includes things like passwords, PIN numbers, or biometrics

Backups & Recovery: When you have good data security, you have a plan in place to access data in the event of a system failure, disaster, data corruption, or breach

2. Why is data security important?

Data is a valuable asset that any company generates, acquires, saves, and exchanges. Protecting it from internal or external corruption and unauthorized access protects a company from financial loss, reputational harm, and deterioration of consumer trust. This is a critical survival and business parameter for companies functioning in certain industries like banking, education, and healthcare. Here, a data breach means the end of trust in the business. Its importance in these industries can never be overemphasized.

3. What are the elements of data security?

All companies should adhere to three components of Data Security: confidentiality, integrity, and availability. Here is what each element implies:

Confidentiality: Makes sure that only permitted users with appropriate credentials have access to data
Integrity: Makes sure that all the data is accurate and trustworthy
Availability: Makes sure that data is accessible and available for ongoing business activities in a timely and secure manner

4. How can we protect our data?

Here are some ways to safeguard your data and tighten up the data security:

Use Strong Passwords: Passwords that are easy to guess are a great way to secure your data and all the working systems, such as computers, email accounts, etc.
Back-up Your Data: Make a backup copy of your data on a regular basis. If possible, keep it somewhere other than your primary workplace
Be Careful While Working Remotely: Check that your devices are as secure as the office equipment. Be aware of your surroundings as well
Install Anti-virus: Remove viruses and other kinds of malicious software and protect the data from getting hampered

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