



ANATOMY OF A DATA MANAGEMENT OPERATING MODEL

THE 8 ESSENTIAL ELEMENTS OF A DATA MANAGEMENT OPERATING MODEL

The operating model explains how the data and analytics management function will make it possible to meet the objectives defined in the strategy, as well as any requirements in the policy. The strategy, operating model and policy are all interdependent.

1 Capability model

The capability model defines the desired future-state framework and supporting materials. Adopt an industry standard capability model that serves as the north star for the data management function. Ensure this future-state is included in the strategy vision statement. Create a data management business glossary of terms that align with the capability model to support common language across the function. Augment the capability model with best practices execution models aligned with the capability model.

2 Data structure model

The data structure model addresses organising the data ecosystem. Start with understanding how to organise your data structure logically. Data domains establish a logical boundary of data across business domains. Understand the vertical and horizontal data across the organisation. Define the relationship between data domains and data products.

3 Organisational structure model

The data structure and the capability model inform the organisational structure. This model establishes the business, architecture, data and technology roles required to operationalise data and analytics management. These roles align with the processes required to achieve all the capabilities in your capability model. Applying a RASCI matrix (Responsible, Accountable, Supportive, Consulted, Informed) to the roles and processes defines the roles, responsibilities and their relationship to one another.

4 Governance structure model

The organisational structure informs the governance structure model. The model defines the method for authoritative decision making about your data, and data and analytics management at the right operating level (i.e. enterprise, operating unit, domain) so it has authority.

5 Infrastructure model

The strategy informs the infrastructure model. The model defines the technology in capability categories required to manage the data and analytics processes. The platform will support the data and analytics management processes to manage the metadata required to achieve trustworthy data accessible to the business to achieve value for the organisation. The operating model will confirm the current state platform and identify high-level platform gaps.

6 Funding model

The funding model identifies the various funding accountabilities and sources and the methodology for securing funding in alignment with the organisation's overall funding cycle and protocols.

7 Data culture model

The data culture model establishes pillars for supporting a strong data culture organisation-wide in order to leverage data and analytics for decision making and problem solving. The value of data culture in an organisation is achieved by winning the hearts and minds of people to respect the value of data and understand their role in achieving data value.

8 Metrics

Defining metrics is an important step in ensuring the organisation can measure the operating model's success.

- **Align the metrics** with the program outcomes to ensure they accurately measure success
- **Make the metrics actionable and measurable** to track progress and make data-driven decisions
- **Set targets and baselines** for each metric to track the impact over time
- **Assign ownership and accountability** for monitoring and reporting on the metrics to specific individuals or teams

1

CAPABILITY MODEL

Defines the desired future-state framework and supporting materials

2

DATA STRUCTURE MODEL

Addresses organising the data ecosystem

3

ORGANISATIONAL STRUCTURE MODEL

Defines roles, responsibilities and their relationship to one another

4

GOVERNANCE STRUCTURE MODEL

Defines roles, responsibilities, and decision-making processes

5

INFRASTRUCTURE MODEL

Addresses the technology and tools required to support data and analytics activities

6

FUNDING MODEL

Defines funding accountability and sources

7

DATA CULTURE MODEL

Promotes data literacy, data awareness, and a mindset of leveraging data and analytics

8

METRICS

Success metrics for the operating model

UK

1 Poultry,
London EC2R 8EJ
+44 (0) 20 8798 3637

USA

1212 Laurel St #1715,
Nashville, TN 37203
+1 615 308 6465

enquiries@ortecha.com

 [linkedin.com/company/ortecha](https://www.linkedin.com/company/ortecha)

 twitter.com/ortecha

 youtube.com/@Ortecha