

DCAM v3

Data Capability Assessment Model

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Module 0: About the Course (10 min)**Module 1: Data Management Industry Overview (22 min)**

- Data Management Industry Overview
- A Brief History of Data Management
 - A Brief History of Data Management: Pre CDO
 - A Brief History of Data Management: Beta
 - A Brief History of Data Management: DM 1.0
 - A Brief History of Data Management: DM 2.0
 - Welcome to Data Management 3.0
 - Data Must be Trusted!
 - Data Must be Modelled for Success
 - Data Must Adhere to Ethical Guidelines
 - Scope of Data Must be Understood and Complete
 - Challenges Driving the Needs to Scale Data Management
 - Welcome to Data Management 3.0
- Opportunity: Modern Data Management
 - Approach to Drive Modern Data Management
 - Modern Data Management – Culture
 - Modern Data Management – Focus
 - Modern Data Management – Technology Capability
 - Metadata Matters
 - Modern Data Management – Focus for Success

Module 2: DCAM Structure Overview (18 min)

- The DCAM Model
 - What is a data Management Framework
 - DCAM Hierarchy
 - DCAM Assessment Levels
 - DCAM Model Definitions
 - DCAM Frisbee
 - 1.0 Data Strategy, DM Strategy & Business Case
 - 2.0 Data Management Program & Funding
 - 3.0 Architecture – Business, Data & Technology
 - 4.0 Business Data Knowledge
 - 5.0 Data Quality Management
 - 6.0 Governance – Data & Data Management Program
 - 7.0 Data Management Operations, Risks & Control
 - 8.0 Analytics Management
 - DCAM Hierarchy on a Page
 - DCAM – Data Capability Assessment Model
 - DCAM Measurement Explained
 - DCAM Scoring
 - DCAM Ecosystem

Module 3: Component 1: Data Strategy, DMS, and Business Case (15 min)

- Component 1 Overview
- Component 1 Key Characteristics
- Flows like Water
- 1.1 Business Requirements for Data
 - Sub Capabilities
- 1.2 Strategy for Data
 - Sub Capabilities
- 1.3 Data Management Business Case
 - Sub Capabilities
- Summary

Module 4: Component 2: Data Management Program and Funding (46 min)

- Component 2
- Establish, Operate, & Fund
- DCAM & Data Management
- 2.1 Data Management Organization
 - Sub Capabilities
- 2.2 Data Management Program
 - Sub Capabilities
- 2.3 DM Initiative Funding
 - Sub Capabilities
- 2.4 Data Management Roadmaps
 - Sub Capabilities
- 2.5 DM Process Standardization
 - Sub Capabilities
- 2.6 DM Change and Enablement
 - Sub Capabilities
- DM Communications
 - Sub Capabilities
- DM Program Monitoring
 - Sub Capabilities
- Summary

Module 5: Component 3: Business Data Technology (42 min)

- Component 3
- Architecture – Business, Data & Technology
- Business Architecture
- Data Architecture
- Technology/architecture
- Chief Data Officer
- 3.1 Business Architecture (BA)
 - Sub Capabilities
 - Holistic Data Requirements
- 3.2 Data Architecture (DA) Approach

- Sub Capabilities
- 3.3 Data Identification & Classification
 - Sub Capabilities
 - Sub Capabilities Video
- 3.4 Data Management Supports Technology Architecture (TA)
 - Sub Capabilities
- 3.5 DM Technology Tool Stack
 - Sub Capabilities
- Summary

Module 6: Component 4: Business Data Knowledge (12 min)

- Component 4
- Data for All
- Successful Organizations & Data Knowledge
- 4.1 Data Education Program
 - Sub Capabilities
- 4.2 Business Terms & Glossary
 - Sub Capabilities
- 4.3 Metadata Management
 - Sub Capabilities
- Summary

Module 7: Component 5: Data Quality Management (32 min)

- Component 5
- Data Quality Management Defined
- 5.1 Data Quality Management
 - Sub Capabilities
- 5.2 Data is Profiled and Measured
 - Sub Capabilities
- 5.3 Data Quality Management
 - Sub Capabilities
- 5.4 Data Quality Remediation Management
 - Sub Capabilities
- Summary

Module 8: Component 6: Govern Data & Data Management Program (20 min)

- Component 6
- Data & Data Management Programs
- Why is Data Governance Important
- 6.1 Data Governance
 - Key Considerations
 - Sub Capabilities
- 6.2 Govern the Data Mgmt. Program
 - Sub Capabilities
- Summary

Module 9: Component 7: Data Management Operations, Risk & Control (17 min)

- Component 7
- Pillars of DCAM
- Elements of Successful Operating Data Environment
- Characteristics of Operating Data Environment
- Sub Capabilities Video
- 7.1 Data Management Operations
 - Sub Capabilities
- 7.2 Data Management Risk
 - Sub Capabilities
- 7.3 Data Control Management
 - Sub Capabilities
- Summary

Module 10: Component 8: Analytics Management (26 min)

- Component 8 Analytics Management
- Purpose of Analytics Management
- Analytics Definition
- Analytics Stakeholder and Drivers
- 8.1 Analytics Function
 - Sub Capabilities
- 8.2 Analytics & Business Alignment
 - Sub Capabilities
- 8.3 Analytics & DM Ecosystem Alignment
 - Sub Capabilities
- 8.4 Analytics Platform
 - Sub Capabilities
- 8.5 Model Development Lifecycle
 - Sub Capabilities
- 8.6 Active Management of Culture and Skills
 - Sub Capabilities
- Summary

Module 11: Conducting a DCAM Assessment (20 min)

- Purpose of assessment
- Expectations / Scope
- Identification of Participants
- Survey Approach
- DCAM Survey Tools
- Assessment Execution Timeline
- Periodicity & Comparability
- DCAM Use
- Summary