

MDM Solution Design

BUS 220 – Course outline

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CONFIDENTIALITY LEVEL:

Public



Target Group

- Business Consultants, Senior Consultants and others in the Master Data Management domain responsible for various business-related aspects of an MDM implementation
- Architects who will help the consultants build the customer's data model and solution in STEP.



Pre-Requisites for Participation

- Stibo Systems Academy courses
 - MDM 101 – MDM Solution Fundamentals or the knowledge taught in this course acquired in other ways.
- At least one year of consultancy experience and/or system implementation.



Course Duration

The virtual or face-to-face course has a duration of 4.5 days.



Training Delivery Method

- In person classroom
- Virtual classroom
- Self-paced online

The course activities will be a combination of lectures, case studies in teams, problem solving exercises and presentations by the trainees.



Course Purpose

In this course, you will be equipped with the skills and content needed to distill customer requirements and convert their business needs into a STEP Multi Domain solution framework.



Course Objectives

Upon completion of this course, participants will be able to:

1. Identify business requirements on data, actors, and current processes to determine STEP opportunities to meet customer's business goals.
2. Map business requirements for capturing, managing and distributing data to STEP features and functionalities to satisfy customer use cases.
3. Connect the customer's business needs for identifying and improving data quality with the STEP tools necessary to accomplish it.
4. Frame a future state model which includes data flows, system landscape, and migration plan for a STEP implementation.
5. Demonstrate the ability to develop a solution design document to be used as a basis for detailed design.



Learning Objectives

The objectives below describe precisely what is taught during the training: (please note that the learning objectives can belong to more than one course objective).



Course Objective 1 - Identify business requirements on data, actors, and current processes to determine STEP opportunities to meet customer's business goals.

Learning objectives:

- Formulate questions and document customer's business processes related to asset control, data validation, review, control, approval, role-based work and systems integration as key aspects of determining how STEP can be used as an MDM solution
- Determine the necessary requirements to create products in the workbench via manual imports and automated via Inbound Integration Endpoints.
- Illustrate how different types of data domains can be converted into STEP Object Types.
- Articulate how the Seven Building Blocks of MDM relate to a successful STEP implementation.
- Exemplify best practices for users and permissions in STEP.
- Identify the necessary requirements to create products in the workbench manually and via Inbound Integration Endpoints.
- Define the need for an address validation tool.
- Define data stewards and their interactions with the data done via the Web UI.
- Illustrate business cases in which Golden Records and de-duplication are beneficial and different from one customer to another.

> **Course Objective 2 - Map business requirements for capturing, managing and distributing data to STEP features and functionalities to satisfy customer use cases.**

Learning objectives:

- Exemplify how business processes can be optimized during product enrichment.
- Exemplify workflow actions that can be performed either in the Web UI or in the workbench.
- Comprehend how relationships are created in the workbench and how they bring value to a business.
- Illustrate how STEP can be used to optimize business processes.
- Outline the business requirements which are solved by using a systems integration tool.
- Comprehend the differences between the following STEP components to capture customer data: Import Manager, Inbound Integration Endpoints, SmartSheets, Web UI.
- Differentiate between mass product enrichment and grouping products from different families.
- Distinguish between the Export Manager as a manual tool to distribute data to other systems and the Outbound Integration Endpoints as an automated alternative.
- Determine business processes that can be improved using STEP data quality components.
- Recognize the role of User Groups and Permissions in a STEP workflow.
- Identify an implementation style for CMDM.

> **Course Objective 3 - Connect the customer's business needs for identifying and improving data quality with the STEP tools necessary to accomplish it.**

Learning objectives:

- Identify how product information is created in STEP and how it relates to data quality.
- Give examples / scenarios where Matching & Linking brings value to a business as a data quality tool.
- Determine the characteristics for party data modeling in STEP.
- Summarize how business processes can be improved using STEP data quality tools such as unique keys, data profiling, and completeness score.
- Identify how product information is created in STEP and how Validation Base Type and Validity play a key role in data quality.

> **Course Objective 4 - Frame a future state model which includes data flows, system landscape, and migration plan for a STEP implementation.**

Learning objectives:

- Collect and document details on the customer's current PLM (Product Lifecycle Management), especially related to type and volume of data, current business processes while focusing on identifying how STEP can improve current processes.
- Convert a customer's business process into a STEP workflow.
- Indicate success criteria for a migration project and how to avoid common pitfalls during data migration process.
- Give examples of how STEP can support a successful data migration.
- Summarize how STEP can support an appropriate cutover migration plan.

> **Course Objective 5 - Demonstrate the ability to develop a solution design document to be used as a basis for detailed design.**

Learning objectives:

- Translate a customer's business requirement into a STEP solution design.



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About Stibo Systems

Stibo Systems is a leading enabler of trustworthy data through AI-powered master data management. Built on a robust and flexible platform, our SaaS solutions empower enterprises around the globe to deliver superior customer and product experiences. Our trusted data foundation enhances operational efficiency, drives growth and transformation, supports sustainability initiatives and bolsters AI success. Headquartered in Aarhus, Denmark, Stibo Systems is a privately held subsidiary of Stibo Software Group, which guarantees the long-term perspective of the business through foundational ownership. More at www.stibosystems.com.