MDM Solution Architecture

ARC 230 - Course outline

AUTHOR: Stibo Systems MDM Academy

CONFIDENTIALITY LEVEL:

Public

STIBO SYSTEMS
MASTER DATA MANAGEMENT

Target Group

This course is targeted towards solution architects and system designers, who will be responsible for technical oversight of the STEP solution and who will lead the process of integrating the STEP solution into an existing IT landscape.

Pre-Requisites for Participation

Participants for the course will be expected to have:

- A broad knowledge of common system and enterprise architecture design patterns and practices.

- Solid understanding of common industry standards, protocols, and technologies, such as XML, REST, HTTP, JMS etc.

- Previous experience with implementation of enterprise software systems.

- Stibo Systems Academy courses (or the STEP knowledge taught in these courses acquired in other ways):
    - MDM 101 – MDM Solution Fundamentals
    - BUS 220 – MDM Solution Design

Course Duration

The course duration is 4.5 days.

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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 gain the information and expertise needed to integrate the STEP Multidomain MDM solution effectively within a customer's existing IT architecture and validate the overall fitness for purpose of the STEP solution.

Course Objectives

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

1. Explain Stibo Systems' SaaS hosting model and its impact on the architecture design.

2. Design a flexible and scalable application architecture for STEP MDM Solutions.

3. Produce an optimal 'environment and release management' strategy for STEP.

4. Create an architecture design for multi-domain MDM.

5. Produce a STEP integration strategy and design, satisfying the integration requirements of the overall solution design.

6. Arrange STEP and its components in an enterprise landscape to meet strategic business objectives.

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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 - Explain Stibo Systems' SaaS hosting model and its impact on the architecture design

Learning objectives:

- Explain the Stibo Systems SaaS offering.
- Summarize the self-service options for environment management, configuration and upgrades.

Course Objective 2 - Design a flexible and scalable application architecture for STEP MDM Solutions

Learning objectives:

- Exemplify the extension/customization possibilities of the STEP platform with Extension API.
- Distinguish use cases for different STEP UIs.
- Know about different STEP authentication models.
- Compare capabilities and use cases of the Extension API with the Public API.

Course Objective 3 - Produce an optimal 'environment and release management' strategy for STEP

Learning objectives:

- Define a customer environment design based on best practices.

Course Objective 4 - Create an architecture design for multi-domain MDM

Learning objectives:

- Exemplify the characteristics of different domains.
- Organize domain specific elements in a multi-domain STEP setup according to best practices (L3).
- Evaluate STEP enablement packages for accelerating the implementation process.
- Organize data into master data and non-master data categories.

> **Course Objective 5 - Produce a STEP integration strategy and design, satisfying the integration requirements of the overall solution design**

Learning objectives:

- Articulate the latest STEP integration framework and its components.

- Apply best practices to STEP integration patterns.

- Compare Receiver and Delivery choices for STEP Integration Endpoints.

- Identify applications for Gateway Integration Endpoints.

- Distinguish use cases for synchronous versus asynchronous integrations.

- Distinguish use cases for different message formats in STEP Integration Endpoints.

- Determine strategy for ensuring data integrity and object identity in integrations.

> **Course Objective 6 - Arrange STEP and its components in an enterprise landscape to meet strategic business objectives**

Learning objectives:

- Identify impact of the wider enterprise integration landscape and architecture on MDM solution

- Determine where to position Stibo Systems DaaS extension in the overall MDM architecture

- Utilize the STEP CMDM Enablement Package for 360(deg) customer data implementation throughout the enterprise

- Explore Stibo Systems PDX channel solutions for on-boarding and syndication use cases

- Establish best practices for onboarding and publishing digital assets

- Indicate the best monitoring option for a given use case

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BETTER BUSINESS.
BETTER WORLD.

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**.