

Data as a Service

DEV 254 - Course outline

AUTHOR: Stibo Systems MDM Academy

CONFIDENTIALITY LEVEL:

Public



Target Group

This course is targeted towards software developers and solution architects who will be responsible for setting up the end-to-end DaaS solution and delivering the DaaS services with STEP.



Pre-Requisites for Participation

Participants for the course will be expected to have:

- Stibo Systems Academy courses (or equivalent knowledge acquired by other means)
 - MDM 101 - MDM Solution Fundamentals
 - DEV 251 – Integration Advanced
 - DEV 252 – Web Services
- Practical experience with GraphQL
- Technical understanding of REST Web Services technologies; as well as common industry standards, protocols and technologies, such as JSON and HTTP
- Good practical experience using a STEP system and the STEP Workbench UI
- Familiarity using the Integration Endpoints and Event Processors in STEP



Course Duration

- The in-person course duration is 2.5 days.
- The hybrid online training runs over the duration of 4 weeks, with ca. 5hrs of material plus exercises and Q&A sessions.



Training Delivery Method

- ☒ In person classroom
- ☒ Virtual classroom
- ☐ Self-paced online
- ☒ Hybrid online



Course Purpose

In this course, you'll learn how to design and implement a complete end-to-end Stibo DaaS solution; from configuration to developing custom GraphQL schemas tailored to diverse business and consumer data needs.



Course Objectives

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

1. Explain Stibo Systems DaaS Offering.
2. Perform the end-to-end setup of DaaS solution.
3. Build GraphQL schemas for DaaS services.
4. Demonstrate how data-consumers interact with the DaaS services



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 DaaS Offering

Learning objectives:

- Explain the capabilities of DaaS solution.
- Outline the technical architecture of the DaaS solution.
- Utilize Stibo Systems DaaS offering for relevant use-cases.
- Demonstrate the need for several DaaS services.
- Compare DaaS extension to alternative solutions for separations of concerns



Course Objective 2 - Perform the end-to-end setup of DaaS solution

Learning objectives:

- Prepare STEP for the DaaS solution.
- Implement configuration of STEP components to support the DaaS solution.
- Construct Assortments and filters based on the requirements.
- Manage the DaaS environment.
- Use the Management API to create Services and Scopes.
- Apply a default schema to a DaaS Service.
- Differentiate between Management and Service API Keys.
- Outline the setup required to publish asset binaries to DaaS



Course Objective 3 - Build GraphQL schemas for DaaS services.

Learning objectives:

- Explain the purpose of Schemas
- Formulate a GraphQL schema to fit use case.
- Identify correct Binding Directives with the help of DaaS Documentation to use in the Schema



Course Objective 4 - Demonstrate how data-consumers interact with the DaaS services.

Learning objectives:

- Manage API keys for data consumers.
- Execute GraphQL queries on the DaaS services.
- Summarize DaaS extension Access Control functionality.
- Prepare documentation concerning queries and schema capabilities.



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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.