Multi-Domain

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1. Overview

The Multi-Domain course takes participants through the various aspects of the PIM/MDM delivery covering Data Modeling, Data Security, Digital Asset Management, UI Configuration, Restful APIs, and Entity Graph Processor.

Note that this course is designed with a Tell Me and Show Me learning format to cover all the required theoretical concepts at the advanced level and the Try Me and Assessment formats cover the various business use cases.

2. Objectives

By the end of this course, you will be able to:

- Understand Data Modeling concepts.
- Understand Data Enrichment, Search, and Manage in the application.
- Create a Base Data Model consisting of various Entity types, Attributes, Relationships, and the respective Mappings.
- Create a Variant Model, a Validation Model (Constraint Model), and nested attributes along with its child attributes.
- Set up the permissions at the Entity and Attribute levels in the application.
- Understand how to onboard Digital Assets, workflows applied on Digital Assets, and link Digital Assets to SKU in the application.
- Understand Tenant-specific folder structure and customize the UI elements based on the business needs.
- Understand API concepts, Query Requests, and Responses of various API services.

3. Duration

The course duration is 5940 minutes.

4. Agenda

4.1. Module 1: Data Modeling – 1519 Minutes

Data Modeling

- Data Modeling Concepts
    - Data Constructs
    - Entity Model
    - Match Configurations
    - Reference Data Model
    - Application Context

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    - EARC Model and Structure
- Base Data Model
- Taxonomy Model
- Reference Data Model
- Dependent Attributes
- Variant Model
- Set up Context Model
- Context Model with Taxonomy
- Context Model with Default Locale
- Manage Attributes using Context Model Setup
- Create UOM Type and Map to SKU
- Manage UOM

Understand Solution Best Practices

- Syndigo Solution Best Practices - Overview
- PIM Solution – Key Areas

Best Practices of Data Modeling

- Syndigo Data Model Constructs
- Entity Model – Best Practices
- Variant Hierarchy Structure – Best Practices
- Packaging Hierarchy – Best Practices
- Attributes – Best Practices
- Relationships – Best Practices
- Context Model – Best Practices
- Reference Data Model – Best Practices
- Taxonomy Model – Best Practices

4.2. Module 2: Data Security – 840 Minutes

Data Security

- Authentication and authorization in the application
- Permissions and authorization model
- How to set up permissions at:
- Domain-level Permissions
- Entity-level Permissions
- Attribute level Permissions
- Context-level Permissions
- Setup Ownership Data Permissions
- Hide Entity Type Permissions

Dynamic Authorization

- Overview of Dynamic Authorization

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- Role-Based v/s Dynamic Authorization
- Mechanism
- Components
- Use Cases
- Set attribute permissions based on Entity Status
- Set attribute permissions based on Category Type
- Workflow Based Dynamic Authorization

4.3. Module 3: Digital Asset Management – 362 Minutes

- Understand types of Digital Assets
- How to Onboard Digital Assets in the Application?
- What are the Supported File Formats?
- How can Workflow be applied to Digital Assets?
- How to Search Digital Assets?
- How to Manage Digital Assets?
- How to link Digital Assets and SKU?

4.4. Module 4: Data Governance – 1685 Minutes

Data Governance & Business Processes

- Introduction to Data Governance
- Why Data Governance?
- Governance Concepts
- Entity Manage Object
- Business Language
- Business Rules
- Data Governance Model
- Business Rule Builder
- Self-computation of LWH calculations
- Self-Validation SKU has Only One Parent
- Locale Computation and Locale Validation
- Context Computation and Validation
- Computation Post-Process
- Knowledge Based Automation – Computation and Validation Rule-Type

Workflow

- Concept of workflow
- Advantages of Workflow
- Create and Map workflow using-
- Workflow Model
- Workflow Designer
- Types of Workflows

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- Create Exit Criteria
- Create Skip Criteria
- Activity Entry
- Activity Exit
- Resume

Entity Graph Processor

- Overview of Entity Graph Service
- Auto-link SKU to Images
- Auto-delete Image Linked to SKU or Product
- SKU Roll-up to Product Entity

Advanced Governance Rules

- Populate the Ownership Attribute
- Create Item from Staging Item
- Item Enrichment on Buyer approval
- Send Entity for Graph on Approve
- Extend to Country Context
- Populate Tags
- Calculate Shipping Weight
- Auto Populate Substitute Relationship
- Debug Validation Errors in Business Conditions
- Debug Syntax Errors
- Debug Graph Processing Errors

Best Practices of Data Governance

- Business Rules/Conditions Naming Convention
- Business Rule Writing Guidelines
- Business Rule Troubleshooting
- Graph Processor Use Cases
- Best Practices and Recommendations
- Roll-up & Roll-down Use Cases
- Product Behavior and Boundaries

4.5. Module 5: UI Configurations – 824 Minutes

- Pre-Requisites
- Overview Of UI Configurations
- Tenant Specific Folder Structure
- Understand OOTB Configurations
- Guidelines
- Tenant Code Base – Folder Structure

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- Default Coalesce Path
- Configurations At Different Levels
- UI Config Manage
- Business Scenarios

4.6. Module 6: RESTful APIs – 710 Minutes

- API Concepts
- Postman Application
- Entity App Services
- Entity Configuration and Authorization Services
- Create Entity Query Requests and Response
- Get Entity Query Request and Response
- Entity Graph Services
- Entity Govern Services
- Bulk Entity Services

5. Contact Us

For any additional information on the available catalog, please write to us at university@syndigo.com

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