



# SAP Manufacturing Integration & Intelligence (SAP MII) – Fundamentals

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**Code:** SCM380-v011  
**Length:** 5 days  
**URL:** [View Online](#)

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## Skills Gained

- This course will prepare you to:
  - This Course will prepare you to:
  - Gain a conceptual understanding of the features, functions, and options of SAP MII 15.3, so that you can successfully design and implement MII applications in a company.
- Use SAP MII 15.3 to connect the manufacturing shop floor system and the SAP ERP system.
- Understand building Query Templates, Business Logic transactions
- Gain knowledge on Data services

## Who Can Benefit

- Consultants
- Project Team Members
- Developers

## Prerequisites

- Essential:
  - Basic knowledge of the manufacturing industry and shop floor data sources.
  - Intermediate knowledge of web technologies such as HTML, JavaScript, XML, XSLT, CSS, XPath, Web Services, OData, JSON and OOP.
  - Intermediate knowledge of database query development.
  - Basic knowledge of SAP NetWeaver.
  - Basic knowledge of the SAP ERP system

- Recommended:

- None

## Course Details

### Course Content

- Introduction to SAP Manufacturing Integration and Intelligence (SAP MII)
  - SAP MII Overview
  - SAP MII Architecture
  - SAP MII Positioning
  - Industry 4.0
- Data and Visualization Services: Introduction
  - SAP MII Workbench Overview
  - SAP MII Data Servers and Connectors
  - Introduction to Query Templates
  - Introduction to Display Templates
  - SAP Lumira and SAP Hana
- Data and Visualization Services: Additional Features
  - The SAP MII Time Engine
  - Scaling, Data Mapping, SQL Queries, and XML Queries
  - Introduction to the Grid and Color Contexting
  - The iSPCChart
- Navigation and Personalization
  - Personalization: Customizing the Navigation
  - Customizing the Home Page Style (Optional)
- Web Scripting
  - SAP UI5 Objects and JavaScript
  - SAP MII Report Pages
  - Localization (Optional)
  - Model View Controller (MVC) Design Pattern
- Business Logic Services: Introduction
  - Business Logic Services Terminology and Environment
  - Action Configuration and Linking
  - Properties, Data Types, and the Xacute Query
- Business Logic Services: Additional Features and Integration with SAP
  - XML Functions
  - Document Building
  - SAP Integration
  - SAP MII Listener
  - Error Handling, Transaction Calls, and Reference Documents (Optional)
- SAP MII Manufacturing Data Objects, Catalog Services, Alerts, and KPIs

-Manufacturing Data Objects

-Catalog Services

-KPI Framework

-Alert Framework

- Plant Information Catalog

- Plant Information Catalog Services

- Self-Service Composition Environment

- Self-Service Composition Environment

## Notes

- This course will prepare you take the advanced SAP MII course (SCM 381)
- Live access is available for this course

## Course based on software release

- SAP MII 15.3
  - ERP ECC6.0 EhP8 SP09
  - WTSS4HANA
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