

Informatica Master Data Management (MDM)

Course outline

Module 1: Introduction to Master Data Management

Module 1: Introduction to Master Data Management provides an overview of the Informatica MDM platform and its components. It covers the fundamentals of MDM, including data governance, data quality, and data integration. It also introduces the key concepts of master data, master data management, and master data governance. Finally, it provides an overview of the Informatica MDM platform and its components.

Lessons

- Overview of Master Data Management
- Benefits of Master Data Management
- Master Data Management Architecture
- Master Data Management Processes
- Data Quality and Governance
- Data Modeling and Design
- Data Integration and Synchronization
- Data Security and Privacy
- Master Data Management Tools
- Master Data Management Best Practices

After completing this module, students will be able to:

- Understand the fundamentals of Master Data Management (MDM) and its importance in the enterprise.
- Identify the components of an MDM system and the roles and responsibilities of the stakeholders involved.
- Analyze the data requirements for an MDM system and develop a data model to support it.
- Design and implement an MDM system to ensure data accuracy and consistency across the enterprise.

Module 2: Data Governance and MDM

Module 2 of the Informatica Master Data Management (MDM) course covers the fundamentals of data governance and MDM. It provides an overview of the principles of data governance, the roles and responsibilities of data stewards, and the importance of data quality. It also covers the basics of MDM, including the different types of MDM solutions, the components of an MDM system, and the benefits of

MDM.

Lessons

- Introduction to Data Governance
- Data Governance Best Practices
- Data Governance Frameworks
- Data Quality Management
- Data Stewardship
- Data Security and Privacy
- Metadata Management
- Master Data Management (MDM) Overview
- MDM Architecture and Design
- MDM Data Modeling
- MDM Data Integration
- MDM Data Quality
- MDM Data Governance
- MDM Data Security
- MDM Data Synchronization
- MDM Data Lifecycle Management
- MDM Data Analytics
- MDM Performance Tuning
- MDM Deployment and Maintenance
- MDM Troubleshooting and Support

After completing this module, students will be able to:

- Understand the importance of data governance and MDM in an organization.
- Develop an understanding of the different components of data governance and MDM.
- Implement data governance and MDM processes and procedures.
- Utilize data governance and MDM tools to ensure data accuracy and consistency.

Module 3: Data Quality and MDM

Module 3 of the Informatica Master Data Management (MDM) course focuses on data quality and MDM. It covers topics such as data profiling, data cleansing, data enrichment, data matching, and data governance. It also provides an overview of the MDM architecture and its components, as well as an introduction to the Informatica MDM product suite. This module provides a comprehensive understanding of the data quality and MDM processes and how they can be used to ensure the accuracy and consistency of master data.

Lessons

- Introduction to Data Quality and MDM
- Data Quality and MDM Best Practices
- Data Quality and MDM Governance
- Data Quality and MDM Metrics
- Data Quality and MDM Tools

- Data Quality and MDM Processes
- Data Quality and MDM Strategies
- Data Quality and MDM Techniques
- Data Quality and MDM Standards
- Data Quality and MDM Automation

After completing this module, students will be able to:

- Understand the importance of data quality and master data management in the context of enterprise data management.
- Identify and assess data quality issues and develop strategies to improve data quality.
- Design and implement a master data management solution using Informatica MDM.
- Utilize Informatica MDM to create and maintain a single version of the truth for enterprise data.

Module 4: MDM Architecture and Design

Module 4 of the Informatica Master Data Management (MDM) course covers the architecture and design of MDM systems. It provides an overview of the components of an MDM system, including the data model, data integration, data quality, and data governance. It also covers the design considerations for an MDM system, such as scalability, performance, and security. Finally, it provides an introduction to the Informatica MDM product suite and its features.

Lessons

- Overview of MDM Architecture and Design
- Data Modeling for MDM
- Data Quality and Governance in MDM
- Data Integration for MDM
- Security and Access Control in MDM
- Performance Tuning for MDM
- Deployment and Maintenance of MDM
- Troubleshooting and Best Practices for MDM
- Advanced Topics in MDM Architecture and Design

After completing this module, students will be able to:

- Understand the fundamentals of MDM architecture and design, including the components, processes, and best practices.
- Develop an MDM architecture and design that meets the needs of the organization.
- Implement an MDM solution that is scalable, secure, and compliant with industry standards.
- Monitor and maintain the MDM architecture and design to ensure optimal performance.

Module 5: MDM Implementation and Deployment

Module 5 of the Informatica Master Data Management (MDM) course covers the implementation and deployment of MDM solutions. It provides an overview of the MDM architecture, the components of an

MDM solution, and the steps involved in deploying an MDM solution. It also covers topics such as data governance, data quality, and data integration. Finally, it provides an introduction to the Informatica MDM product suite and how to use it to deploy an MDM solution.

Lessons

- Overview of MDM Implementation and Deployment
- Planning for MDM Implementation and Deployment
- Designing the MDM Architecture
- Configuring the MDM Environment
- Integrating MDM with Other Systems
- Testing and Validating the MDM Environment
- Deploying the MDM Solution
- Managing the MDM Environment
- Troubleshooting MDM Issues
- Best Practices for MDM Implementation and Deployment

After completing this module, students will be able to:

- Understand the architecture and components of Informatica MDM
- Configure and deploy Informatica MDM Hub
- Implement data quality rules and processes in Informatica MDM
- Utilize the Informatica MDM Hub to manage master data across multiple systems

Module 6: MDM Security and Compliance

Module 6 of the Informatica Master Data Management (MDM) course covers the security and compliance aspects of MDM. It provides an overview of the security and compliance requirements for MDM, including authentication, authorization, encryption, and data governance. It also covers the various tools and techniques used to ensure that MDM systems are secure and compliant with industry standards.

Lessons

- Overview of MDM Security and Compliance
- Understanding MDM Security and Compliance Requirements
- Implementing MDM Security and Compliance
- Managing MDM Security and Compliance
- Auditing MDM Security and Compliance
- Best Practices for MDM Security and Compliance
- Troubleshooting MDM Security and Compliance Issues
- Regulatory Compliance and MDM
- Data Privacy and MDM
- Data Governance and MDM

After completing this module, students will be able to:

- Understand the security and compliance requirements for MDM systems.

- Implement security and compliance policies for MDM systems.
- Monitor and audit MDM systems for compliance.
- Troubleshoot security and compliance issues in MDM systems.

Module 7: MDM Integration and Synchronization

Module 7 of the Informatica Master Data Management (MDM) course covers the integration and synchronization of MDM with other systems. It covers topics such as data mapping, data transformation, data synchronization, and data governance. It also covers the use of APIs and web services to integrate MDM with other systems. Finally, it covers the use of Informatica MDM tools to monitor and manage data synchronization.

Lessons

- Overview of MDM Integration and Synchronization
- Understanding Data Synchronization
- Configuring MDM Integration and Synchronization
- Working with Data Synchronization Rules
- Troubleshooting MDM Integration and Synchronization Issues
- Best Practices for MDM Integration and Synchronization
- Automating MDM Integration and Synchronization
- Security Considerations for MDM Integration and Synchronization
- Performance Tuning for MDM Integration and Synchronization
- Integrating MDM with Other Systems

After completing this module, students will be able to:

- Understand the fundamentals of MDM integration and synchronization.
- Develop an understanding of the different types of MDM integration and synchronization.
- Design and implement MDM integration and synchronization solutions.
- Troubleshoot and optimize MDM integration and synchronization processes.

Module 8: MDM Performance Tuning and Optimization

Module 8 of the Informatica Master Data Management (MDM) course focuses on performance tuning and optimization. It covers topics such as understanding the MDM architecture, identifying performance bottlenecks, and applying best practices for tuning and optimizing MDM performance. It also covers techniques for monitoring and troubleshooting MDM performance.

Lessons

- Understanding Performance Tuning and Optimization Strategies
- Analyzing Performance Bottlenecks
- Optimizing MDM Workflows
- Optimizing MDM Data Model
- Optimizing MDM Matching Rules
- Optimizing MDM Search Indexes

- Optimizing MDM Data Quality Rules
- Optimizing MDM Data Loads
- Optimizing MDM Data Synchronization
- Troubleshooting MDM Performance Issues

After completing this module, students will be able to:

- Understand the performance tuning and optimization techniques for Informatica MDM.
- Identify and resolve performance bottlenecks in MDM.
- Utilize the best practices for performance tuning and optimization of MDM.
- Implement strategies to improve the performance of MDM.

Module 9: MDM Analytics and Reporting

Module 9 of the Informatica Master Data Management (MDM) course covers the fundamentals of MDM analytics and reporting. It provides an overview of the different types of analytics and reporting available in MDM, as well as how to create and use them. It also covers the basics of data visualization and how to use it to gain insights from MDM data. Finally, it covers the basics of creating and managing reports in MDM.

Lessons

- Introduction to MDM Analytics and Reporting
- Overview of MDM Reporting Tools
- Designing MDM Reports
- Creating Dashboards and Visualizations
- Working with MDM Data Sources
- Advanced MDM Reporting Techniques
- Automating MDM Reports
- Troubleshooting MDM Reports
- Best Practices for MDM Analytics and Reporting
- Security and Governance for MDM Reports

After completing this module, students will be able to:

- Understand the fundamentals of data analytics and reporting in the context of MDM.
- Develop an understanding of the various reporting and analytics tools available for MDM.
- Utilize the reporting and analytics tools to create meaningful insights from MDM data.
- Create and present reports and dashboards to stakeholders to communicate the value of MDM.

Module 10: MDM Best Practices and Case Studies

Module 10 of the Informatica Master Data Management (MDM) course provides an overview of best practices and case studies for MDM. It covers topics such as data governance, data quality, data integration, and data security. It also provides an in-depth look at how MDM can be used to improve business processes and customer experience. The module also provides practical examples of how MDM can be used in different industries.

Lessons

- Overview of MDM Best Practices
- Data Governance Strategies for MDM
- Data Quality Management for MDM
- Data Integration Strategies for MDM
- Security and Privacy Considerations for MDM
- MDM Architecture Design Principles
- MDM Performance Optimization Techniques
- MDM Deployment Strategies
- MDM Case Studies
- MDM Metrics and KPIs

After completing this module, students will be able to:

- Understand the best practices for implementing MDM solutions.
- Analyze and evaluate different MDM case studies.
- Develop strategies for successful MDM implementations.
- Identify and address potential challenges associated with MDM implementations.