TechyEdz Solutions

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Informatica MDM









Informatica MDM

Course Overview:

In this course in-depth insights about Informatica MDM Server and how to administer it. You will get to learn everything from Introduction and defining the data model, Introduction to Informatica MDM Hub, Define the Data model, Configuring stage and load process, Configure the Stage process, Configure the Load process, Configuring merge process and data access, Configure the Match & Merge process, Configure data access views, Batch processes and data management tools, Data Management Tools, User exits and log files, User Exit Procedures, Log files, Hierarchy Management and security access manager, Hierarchy Management, Security Access Manager (SAM), Informatica data director, IDD Configuration, and more.

Course Outline:

1. Introduction to MDM

- > What is MDM?
- > Google trend report on MDM
- > What is the scope of this MDM course?
- > Why do we need MDM?
- ➤ Will MDM cut jobs? <
- > Is MDM a Hype or is it Real?
- > Where does MDM stand (Compared to other competitors)?
- Google trend report on Competitors and comparison
- Naukri and Monster job openings
- > Salary report from Indeed & Payscale
- > A walkthrough on the course content.

2. What is Informatica MDM

- > Short Blue Informatica MDM with a Real time Project
- > Navigation
- > What is the scope of Informatica MDM Training
- > Important options and Shortcuts in the tool
- > Types of Tools in Informatica MDM(Walkthrough)
- > What's the Architecture, SOA, Client server or Cloud
- > Informatica MDM Cloud?

3. Installation of Informatica MDM

- > Supported Systems (Is Windows, Linux, Mac supported)
- What is the Alternative if it's not Supported(Virtualbox)
- > Supported Databases
- > Integration with other tools.
- > Limitations

4. INFORMATICA MDM OVERVIEW AND ARCHITECTURE

- > Master Data Management
- > A Reliable Foundation Of Master Reference Data
- > Components of MDM Hub
- > Application Server Tier
- Database Server Tier
- > Batch Data Process Flow
- > Trust Framework
- > Consolidation Flag

5. DATA MODELS AND LOOKUPS

- > Data Model Elements
- Data Model
- > Relationships
- > Relationship Types
- > Lookups
- > Global Business Identifier (GBID)

6. CONFIGURING STAGE PROCESS

- Basic Mappings
- Complex Mappings
- > Cleansing and Transforming Data
- > Execution Component
- > Testing Mappings
- > Reusable Cleanse Components
- > External Data Cleansing
- > Delta Detection & Audit Trail
- > Rejects
- Cleanse Match Servers
- > High-Level Stage Process Flow
- > Detailed Stage Process Flow

7. CONFIGURING LOAD PROCESS

- > Trust
- > Validation Rule
- > Trust & Validation Rules: Things to note
- > Cell Level Update
- > Allow NULL Update
- > Allow NULL Foreign Key
- > How the Load work

8. CONFIGURING MATCH & MERGE PROCESS

- Match & Merge Overview
- > Key Activities for Configuring Rules
- > Match/Search Strategy for Base Object
- > Population
- > Match Path, Columns and Match Key
- Match Rules and Rule Sets
- > Primary Key Match Rules
- > Match Rules using Primary Key Match
- > Match Keys Distribution
- Merge Settings
- > Match/ Merge Properties: Merge Style Base Object
- > External Match
- Match Server Architecture

9. CONFIGURING DATA ACCESS

- Queries & Packages Overview
- Query
- Package

10. BATCH PROCESSES

- Batch Viewer
- > Batch Group
- > Executing Stored Procedures
- > Scheduling Considerations
- Job Status & Job Statistics

11. DATA MANAGEMENT TOOLS

- > Data Stewardship
- > Recap: Consolidation Flags

- > Merge Manager
- > Data Manager
- > Unmerge and Tree Unmerge

12. USER EXITS

- > User Objects
- User Object Registry Tool
- > User Exits in Java
- > User Exits in the STAGE Process
- > User Exits in the LOAD Process
- > User Exits in the MATCH Process
- > User Exits in the MERGE Process
- > User Exits in the UNMERGE Process

13. LOG FILES

- > Enterprise Manager
- > Hub Server Tab
- Cleanse Servers Tab
- > Environment Report Tab
- > ORS Databases Tab
- > Database Log File
- Application Server Log
- Cleanse/ Match Server Logs
- Console Log

14. HIERARCHY MANAGEMENT

- > Entities & Entity Type
- > HM Relation ships
- > HM Hierarchies
- > Hierarchy Management
- > HM Profiles
- > HM Packages

15. SECURITY ACCESS MANAGER(SAM)

- ➤ Users, Resources, Privileges & Roles
- > Resources
- > Resource Groups
- > Privileges
- > Roles

16. SERVICES INTEGRATION FRAMEWORK(SIF)

- > Introduction to Siperian SIF
- > SIF Framework
- > SIF Features & Benefits
- > SIF & Integration
- > Interacting with SIF
- > SIF Architecture & Protocols
- > SIF Request Object with Examples
- > Processing Responses
- > About Record
- > SIF APIs with Examples
- > ORS Specific APIs
- > Introduction to SIF Manager
- Logging
- Auditing

17. INFORMATICA DATA DIRECTOR

- > IDD Configuration
- > Business Data Director User Interface
- Create, Manage, Consume And Monitor
- > Data Model Elements
- > Configuration File
- > Subject Area
- Subject Area Groups
- ▶ BDD Data Display
- Relationships
- > Application Validation
- > Importing an Application
- Match Paths
- > Lookup
- Cleansing
- > Resources and Privileges

18. MESSAGE QUEUE

- > What are a Message Queues
- > Create a Message Queue in Application server
- > Configure the ORS Specific Schema
- > Test the Queue

- > Configure the MRM to the Queue
- > Checking Message Queue count in App server.
- > Publish Message to the Queues

19. ADVANCED TOPICS

- > Job scheduling
- > Creation of ORS
- > Installation
- > Load by Rowid Object
- > External Matching

20. CanopY project in MDM

- Project Overview
- > How to configure an End to end real-time project.
- > Project Guidance
- > Project Submission and Verification

21. Mock Interviews with Questions and Answers Discussion

- Functional Q&A
- > Technical Q&A
- Project Q&A (For Multiple Domains like Banking, Retail, Insurance, Ecommerce etc)
- > Question for Fresher's and Experienced (How do they differ?)
- ➤ How to justify if the resource is not certified.

22. Certification Preparation Session

- > How difficult is it to clear the certifications
- > Levels of certification
- How to register for them (Technical details)
- > Can I apply for certification if my company is not a partner
- > If not, what is the alternative
- Certification Mock Q&A discussion

Prerequisites:

 For starting with Informatica you should have a thorough working knowledge of SQL, especially functions, joins, sub-queries, etc. Knowledge of PL/SQL is also recommended, but not mandatory.

- Who Can attend:
- PowerCenter or Data Quality Administrators
- Database developers and Managers
- BI/ETL/DW Professionals
- Informatica PowerCenter Administrators
- Data Integration developers
- Contributors in the Enterprise Business Intelligence field
- **♣** Number of Hours: 40hrs
- **★** Certification: MDM Multidomain 10.1 Developer Specialist
- **Key Features:**
- One to One Training
- Online Training
- > Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification