

Master, Reference & 360-Domain Data Techniques

Day 1: Fundamentals of Master, Reference & 360-Domain Data

- Overview of Master, Reference, and Transactional Data
- Differences & Importance in Business Applications
- Master Data Management (MDM) vs. Reference Data Management (RDM)
- Role of Data Governance & Stewardship
- Data Lineage & Metadata Management
- Regulatory Compliance (GDPR, CCPA, HIPAA, etc.)

Day 2: Data Modeling & Data Quality Techniques

- Conceptual, Logical, and Physical Data Models
- Data Hierarchies, Taxonomies & Ontologies
- Real-world examples of Reference Data Standardization
- Data Profiling & Cleansing
- Golden Record Creation
- Duplicate & Inconsistent Data Handling

Day 3: 360-Degree Data Management

- Customer 360, Product 360, Supplier 360, and Employee 360
- Data Integration across Domains
- 360-Degree Analytics & Business Intelligence
- Integrating data from multiple sources & systems
- Data Standardization & Normalization
- AI & Machine Learning for 360-Degree Insights

Day 4: Data Governance & Security in 360-Degree Data

- Implementing Data Governance Frameworks
- Data Privacy & Security Regulations
- Data Sharing & Access Control
- Streaming Data Processing for 360-Degree Views

- Implementing MDM in Cloud & On-Premise Environments
- Automated Data Quality Monitoring

Day 5: Real-World Implementation & Case Studies

Master & Reference Data Best Practices

- MDM Tool Selection & Implementation (Informatica, IBM MDM, Talend, SAP MDG)
- Challenges in 360-Degree Data Integration
- Measuring ROI of Master & Reference Data Projects