

Calypso Integration Training

COURSE CONTENT

GET IN TOUCH



Multisoft Systems
B - 125, Sector - 2, Noida



(+91) 9810-306-956



info@multisoftsystems.com



www.multisoftsystems.com

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Calypso Integration Training by Multisoft Systems is designed to equip professionals with the technical expertise required to seamlessly integrate the Calypso platform with enterprise applications and financial systems. This training focuses on building a strong understanding of Calypso's architecture, integration layers, and communication mechanisms used in capital markets environments.

Module 1: Introduction to Calypso Platform & Integration

- ✓ Overview of Calypso architecture and components
- ✓ Role of integration in capital markets systems
- ✓ Understanding front, middle, and back-office connectivity
- ✓ Key integration touchpoints within Calypso

Module 2: Calypso Architecture for Integration

- ✓ Core architecture layers (UI, business logic, database)
- ✓ Integration layer and communication flow
- ✓ Calypso adapters and connectors
- ✓ Understanding system workflows and event handling

Module 3: APIs & Web Services

- ✓ Introduction to Calypso APIs
- ✓ REST and SOAP web services in Calypso
- ✓ API configuration and usage
- ✓ Security considerations in API integrations

Module 4: Messaging & Event-Driven Integration

- ✓ JMS (Java Messaging Service) fundamentals
- ✓ Event-driven architecture in Calypso
- ✓ Real-time messaging and queue management
- ✓ Handling asynchronous communication

Module 5: Middleware Integration

- ✓ Role of middleware in financial systems
- ✓ Integration with tools like TIBCO, MuleSoft, etc.
- ✓ Data routing and orchestration
- ✓ Enterprise Service Bus (ESB) concepts

Module 6: Data Integration & Transformation

- ✓ Data formats (XML, JSON, CSV)
- ✓ Data mapping and transformation techniques
- ✓ Handling inbound and outbound data
- ✓ Data validation and error handling

Module 7: Batch Processing & Scheduling

- ✓ Batch integration concepts
- ✓ Scheduling jobs in Calypso
- ✓ File-based integrations and automation
- ✓ Monitoring batch processes

Module 8: Real-Time Integration Techniques

- ✓ Real-time trade and transaction processing
- ✓ Streaming data integration
- ✓ Performance optimization for real-time systems
- ✓ Latency and throughput considerations

Module 9: Integration with External Systems

- ✓ Connecting Calypso with trading platforms
- ✓ Integration with risk management systems
- ✓ Accounting and reporting system connectivity
- ✓ Third-party system integration scenarios

Module 10: Security & Compliance in Integration

- ✓ Authentication and authorization mechanisms
- ✓ Secure data transmission (SSL, encryption)
- ✓ Compliance requirements in financial systems
- ✓ Audit trails and logging

Module 11: Performance Tuning & Troubleshooting

- ✓ Identifying integration bottlenecks
- ✓ Debugging integration issues
- ✓ Log analysis and monitoring tools
- ✓ Best practices for optimization

Module 12: Testing & Deployment

- ✓ Integration testing strategies
- ✓ Unit testing and system testing
- ✓ Deployment approaches and version control
- ✓ Continuous integration and delivery (CI/CD) basics

Module 13: Capstone Project / Use Cases

- ✓ End-to-end integration project
- ✓ Real-world banking and capital market scenarios
- ✓ Designing scalable integration solutions
- ✓ Project presentation and evaluation