iPaaS Essentials for ERP (Dell Boomi / MuleSoft) Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In the era of digital transformation, enterprises are increasingly relying on seamless integration of cloud and on-premise applications. iPaaS Essentials for ERP (Dell Boomi / MuleSoft) Training Course equips professionals with the expertise to design, implement, and manage scalable integration solutions using Dell Boomi and MuleSoft, two of the leading iPaaS platforms. This course provides hands-on experience in connecting ERP systems with CRM, HR, and other enterprise applications, ensuring real-time data synchronization, automation, and operational efficiency.

Participants will gain deep insights into API-led connectivity, data mapping, workflow automation, and hybrid integration strategies, enhancing their ability to deliver agile and robust integration solutions. By mastering iPaaS tools, learners can drive business process optimization, reduce operational silos, and support enterprise digital transformation initiatives.

Programme Curriculum

iPaaS Essentials for ERP (Dell Boomi / MuleSoft) Training Course

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Course Duration

5 days

Course Objectives

By the end of this course, participants will be able to:

1. Understand core iPaaS concepts and ERP integration strategies.
2. Configure Dell Boomi and MuleSoft integration environments for ERP systems.
3. Develop scalable APIs for ERP and cloud application connectivity.
4. Implement real-time data synchronization and workflow automation.
5. Perform data transformation, mapping, and validation between ERP modules.
6. Apply hybrid integration patterns for cloud-to-on-premise ERP systems.
7. Monitor, debug, and optimize integration processes for high performance.
8. Secure APIs and integrations following best practices in enterprise security.
9. Leverage pre-built connectors for Salesforce, Workday, SAP, and other platforms.
10. Manage integration lifecycle from design, deployment to governance.
11. Troubleshoot complex integration issues using logging and analytics.
12. Implement event-driven and batch processing techniques in ERP integrations.
13. Build enterprise-ready integration solutions supporting digital transformation initiatives.

Target Audience

1. Integration Developers and Architects
2. ERP Consultants (SAP, Oracle, Microsoft Dynamics)
3. IT Managers and Technical Leads
4. Cloud Solution Architects
5. Business Analysts focusing on ERP and integration
6. Technical Project Managers
7. API and Middleware Specialists
8. System Administrators supporting hybrid integrations

Course Modules

Module 1: Introduction to iPaaS and ERP Integration

- Overview of iPaaS and cloud integration trends
- ERP landscape and integration challenges
- Key differences between Dell Boomi and MuleSoft
- API-led connectivity principles
- Case Study: Automating SAP to Salesforce data flow

Module 2: Dell Boomi Essentials

- Boomi AtomSphere platform architecture
- Building connectors and integration processes

- Data mapping and transformation
- Error handling and logging
- Case Study: Automating inventory sync between SAP and NetSuite

Module 3: MuleSoft Fundamentals

- Anypoint Platform overview
- Designing APIs using RAML and MuleSoft Anypoint Studio
- Integration flow design for ERP systems
- Debugging and error management
- Case Study: HR system integration with Workday

Module 4: API Design and Management

- REST and SOAP API fundamentals
- API security and governance
- Versioning and lifecycle management
- Testing APIs with Postman and MuleSoft tools
- Case Study: Building an API to sync ERP orders with Shopify

Module 5: Data Transformation and Mapping

- Data formats: JSON, XML, CSV
- Mapping between ERP modules and external systems
- Using pre-built connectors
- Error handling during transformation
- Case Study: Transforming SAP invoice data for Salesforce

Module 6: Real-Time & Event-Driven Integration

- Event-driven architecture in iPaaS
- Streaming data integration
- Webhooks and triggers for ERP events
- Handling high-volume transactions
- Case Study: Real-time CRM updates from ERP order system

Module 7: Monitoring, Debugging & Optimization

- Logging, alerts, and monitoring dashboards
- Performance tuning best practices
- Troubleshooting common integration errors
- Automated testing for integration workflows
- Case Study: Monitoring failed transactions in Dell Boomi

Module 8: Hybrid Integration & Advanced Topics

- Cloud-to-on-premise integration strategies
- Security, compliance, and encryption
- CI/CD pipelines for integration deployments
- Scaling integrations for enterprise demands
- Case Study: Multi-system integration for global ERP rollout

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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