Digibee
Academy

Empowering developers to build enterprise-class integrations using the **Digibee Integration Platform**.

Digibee Academy - **Empowering integration excellence**

What is Digibee Academy?

It's the training platform for users of the Digibee Integration Platform.

Why should you use it?

To accelerate the learning curve towards integration independence.

Who is it destined for?

The Digibee Academy is available to any Digibee customer or partner.

Where can you find it?

You can access the **Digibee Academy** anywhere, anytime by visiting our website.

Digibee Academy is available for free to all our customers and partners.

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Empower your integration journey
with Digibee Academy

Flexibility

✓ Instructor-led and self-paced courses available.
✓ Save time with short-video tutorials and webinars.
✓ Multiple features to enhance your learning journey.

Comprehensive Resources **for Integration Success**

AI-Based Assistance

Digibee AI Assistant for real-time answers.
Accelerates the learning process.
Enhances user experience.
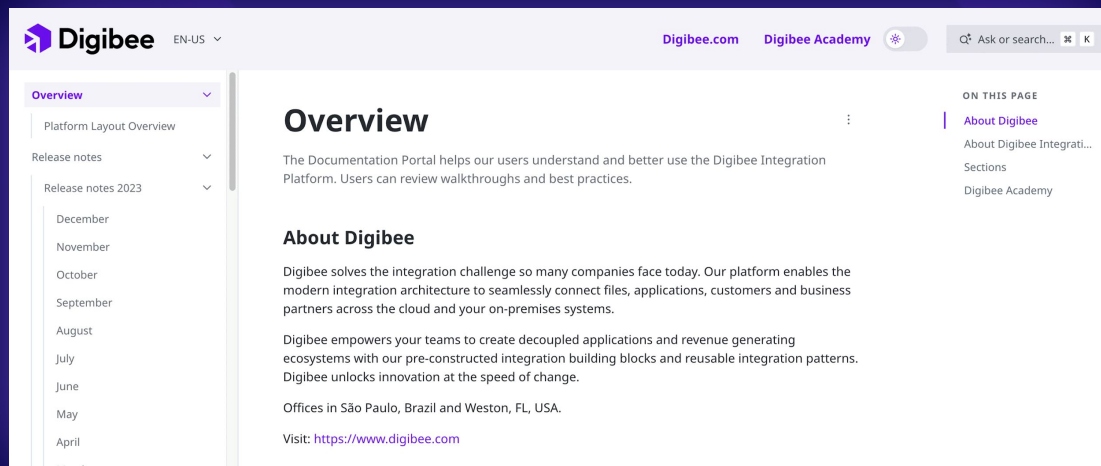
Learn by doing

Video lessons combined with hands-on exercises.
Practice using the Digibee Integration Platform.
Gain practical skills towards integration
independence.

Real case-based content

Addressing real-life integration challenges.
Valuable insights and practical solutions.

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Empower Your Integration Journey with Digibee Academy

Documentation Portal

✓ Easy access to resources and best practices.
✓ Comprehensive knowledge base.

Different journeys: **Self-paced vs Instructor-Led**

Self-Paced content

12 Courses

(+40h)

5 Webinars

(+8h)

7 Mini Challenges

(+7h)

Certified Integration Developer Exam

(+1h)

Instructor-Led training

Foundations Workshop

(4h)

Integration Developer Bootcamp

(20h)

○ Self-paced   ○ Instructor-led

Equivalent journeys: **Self-paced vs Instructor-Led**

(4h)

(20h)

Foundations Workshop	Integration Developer Bootcamp

| Functional Analysis: Mapping your Integrations | Foundations | Operations | Data Processing with Service Triggers and Loops | JSON Mgmt & Governance | | JOLT | | Data Pagination | Level Up Your Pipelines Working With Files | Event Driven Architecture I | Event Driven Architecture II | | Advanced Security | Metrics & Monitoring |

(3h)   **(4h)**   **(4h)**   **(4h)**   **(4h)**   **(2h)**   **(2h)**   **(2h)**   **(2h)**   **(2h)**   **(3h)**   **(3h)**

Associate Level (19h)   **Professional Level (8h)**   **Advanced Level (6h)**

○ Self-paced   ○ Instructor-led

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Learning Paths

Course	Integration Developer LP	Solutions Architect LP	Operations (Monitoring and Infra) LP	Functional Analyst LP
Foundations	x	x	x	x
Operations	x	x	x	x
JSON Mgt and Governance	x	x	x	
Data Processing & Triggers	x	x		
Working With Files	x	x		
Data Pagination	x	x		
Event-Driven Architecture: Building Scalable Integrations	x	x		
Event-Driven Architecture: Modular Integration Patterns	x	x		
Advanced Security		x	x	
Metrics and Monitoring		x	x	
Functional Analysis	x	x	x	x
JOLT	x	x		

Prerequisites

To maximize the benefits of our content, prior familiarity of the topics below is recommended.

Development

- ✔ Programming logic
- ✔ Event-driven programming
- ✔ Sequence diagrams

Network

- ✔ REST API
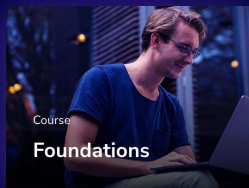- ✔ SOAP
- ✔ Web services
- ✔ HTTP (status code)

Data Exchange

- ✔ JSON
- ✔ XML
- ✔ SQL
- ✔ NoSQL

Current portfolio of courses
(enrollment on Academy)

Course
Foundations
- What is Digibee?
- Basic Platform tour.
- Basic pipeline building.
- Test and deploy simple pipelines.

Course
JSON Data Management & Governance
- JSON Path
- Double braces
- Accounts
- Globals

Course
Operations
- Best practices.
- Error treatment.
- Advanced pipeline deployment.
- Log and metrics analysis.
- Monitoring

Course
Transformer JOLT – Fundamentals
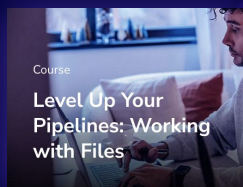- Modify JSON structure with Shift.
- Create JSON values with Default.
- Remove and sort JSON elements.
- Transform lists in Objects and vice versa with Cardinality.
- Execute complex operations with JOLT's Modify-beta.

Course
Data Processing with Service Triggers & Loops
- Service triggers (REST, HTTP File and HTTP).
- Object Store.
- Loop connectors.

Course
Level Up Your Pipelines: Working with Files
- Write and read files with the File Writer and File Reader components.
- Optimize pipeline memory when reading large datasets using stream components.
- Convert files to different formats.

Current portfolio of courses
(enrollment on Academy)

Course
Event-Driven Architecture – Building Scalable Integrations

- Publish and subscribe pattern for asynchronous pipeline communication.
- Decouple event broadcasting technique to facilitate modification, testing, and deployment (maintenance).
- Apply intermediate to advanced principles of scalability.
- Trigger multiple processes through parallelism (parallel processing).

Curso
Advanced Security

- How to assess and mitigate potential risks in any integration project, using the embedded security features within the Digibee Integration Platform.
- Protect APIs by authenticating the client via JSON Web Token (JWT).
- Safeguard your data with encryption and cryptography components, using "Hashed" data for duplicate control.

Curso
Event-Driven Architecture – Modular Integration Patterns

- Manage non-integrated data by creating a reprocessing pipeline.
- Build an error handling pipeline to centralize errors and handle exceptions to achieve a pipeline with fault tolerance.
- Identify when to create reusable pipelines in the context of a microservices' architecture.

Curso
Metrics and Monitoring

- Discover how to perform resource monitoring and robust error log analysis.
- Learn how to identify overhead and its implications.
- Apply solutions to optimize processing.
- Familiarize yourself with the most common solutions for identified issues.
- Create your own Circuit Breaker to avoid cascade failures.

Course
Data Pagination

- Retrieve data via API with basic pagination features.
- Follow best practices applied in pagination results.
- Data extraction using advanced pagination techniques.

Curso
Functional Analysis – Mapping your Integrations

- Identify and map the needs, processes, and technological context of any integration project;
- Create a process diagram;
- Build a connectivity map and a sequence diagram.

Current portfolio of mini-challenges
(enrollment on Academy)

Challenge
Field mapping with JOLT connector

- Beginner Level
- Develop a pipeline using Digibee Integration Platform to handle data mapping for employee enrollment. Embrace JOLT connectors to execute predefined transformations.

Challenge
Log Stream

- Beginner Level
- Dive into the world of logistics and solve ZIP code query problems for LogicDelivery. Monitor, track, and log transaction details with a powerful pipeline and standardize log processes.

Challenge
Enhancement in Security with OAuth2

- Intermediate Level
- Level up your authentication game! Implement OAuth2 for secure REST API integration. Configure endpoints, create user levels, and handle errors easily.

Challenge
Circuit Breaker Implementation

- Intermediate Level
- Implement a circuit breaker for resilient integration with external services. Master dynamic workflow adjustments, preventing overload for smooth and smart integration processes.

Challenge
Database extraction with pagination control

- Intermediate Level
- Build a pipeline for integrating RHOther into existing data flow. Extract up to 5,000 records daily, practicing developer skills and best techniques for this challenge.

Challenge
Transformations and Aggregations of JSON using JOLT

- Intermediate Level
- Learn dynamic data mapping with JOLT! Develop a pipeline for transforming JSON inputs, mastering dynamic field mapping to enhance your skills.

Challenge
Working with Files and Data Transformation

- Advanced Level
- Dive into the world of file handling and data transformation! Build pipelines to streamline time and attendance data from InovaCar to HR, overcoming hurdles.

Certified Integration Developer Exam
(enrollment on Academy)

Exam format:

30 multiple-choice
questions in 40 minutes

3 attempts per week

Recommendations::

- Completing Foundations and Operations courses;
- Completing Integration Developer Bootcamp;
- Advisable at least 3 months of practical experience with the Digibee Integration Platform.

Topics covered:

<u>Integration Concepts</u>
- Data Pagination
- Event-Driven Architecture
- Data Handling and Transformation
- Components

<u>Best Practices and Configurations</u>
- Security
- Best Practices
- Error Handling
- General Settings

Current portfolio of instructor-led training

Foundations Workshop (3h)
1 day

- <u>Objective:</u> Build your first pipeline and successfully deploy it

- <u>What will you learn?</u>
    - Why Digibee?
    - Fundamental concepts - JSON, components and message
    - Basics of Trigger and API
    - Conditional flows
    - How to run a Test mode
    - Data transformation
    - Use Cases examples

- <u>Enrollment via Academy</u>

- Designed for <u>customers and partners who have limited knowledge</u> of the Digibee Integration Platform.

- <u>Hands-on</u> approach

Integration Developer Bootcamp (20h)
5 days

- <u>Objective:</u> Dive into the platform and excel your integrations capabilities

- <u>What will you learn?</u>
    - Foundations review
    - Using best practices
    - Architecture patterns
    - Design patterns
    - Event-driven solutions
    - Data pagination
    - Horizontal scaling
    - Vertical scaling

- <u>Enrollment via Academy</u>

- Designed for <u>customers and partners who already knows how to build basic integrations</u> on the Digibee Integration Platform and wants to take the next step on its integrations.

- <u>Hands-on</u> approach
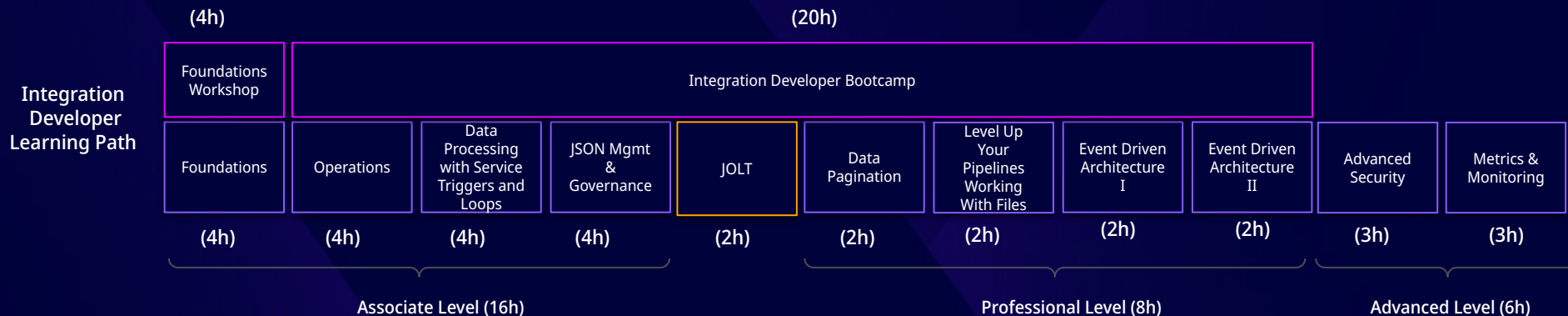
Join Digibee Academy today!
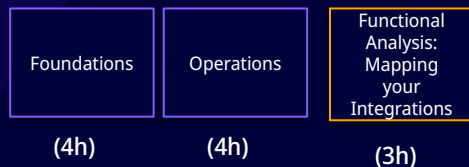
[Digibee Academy website](#)

Thanks

![Digibee logo]

Different journeys: **Self-paced vs Instructor-Led**

Integration Developer Learning Path

(4h) (20h)

| Foundations Workshop | Integration Developer Bootcamp | | | | | | | | | |

| Foundations | Operations | Data Processing with Service Triggers and Loops | JSON Mgmt & Governance | JOLT | Data Pagination | Level Up Your Pipelines Working With Files | Event Driven Architecture I | Event Driven Architecture II | Advanced Security | Metrics & Monitoring |

(4h) (4h) (4h) (4h) (2h) (2h) (2h) (2h) (2h) (3h) (3h)

Associate Level (16h) Professional Level (8h) Advanced Level (6h)

Functional Analyst Learning Path

| Foundations | Operations | Functional Analysis: Mapping your Integrations |

(4h) (4h) (3h)
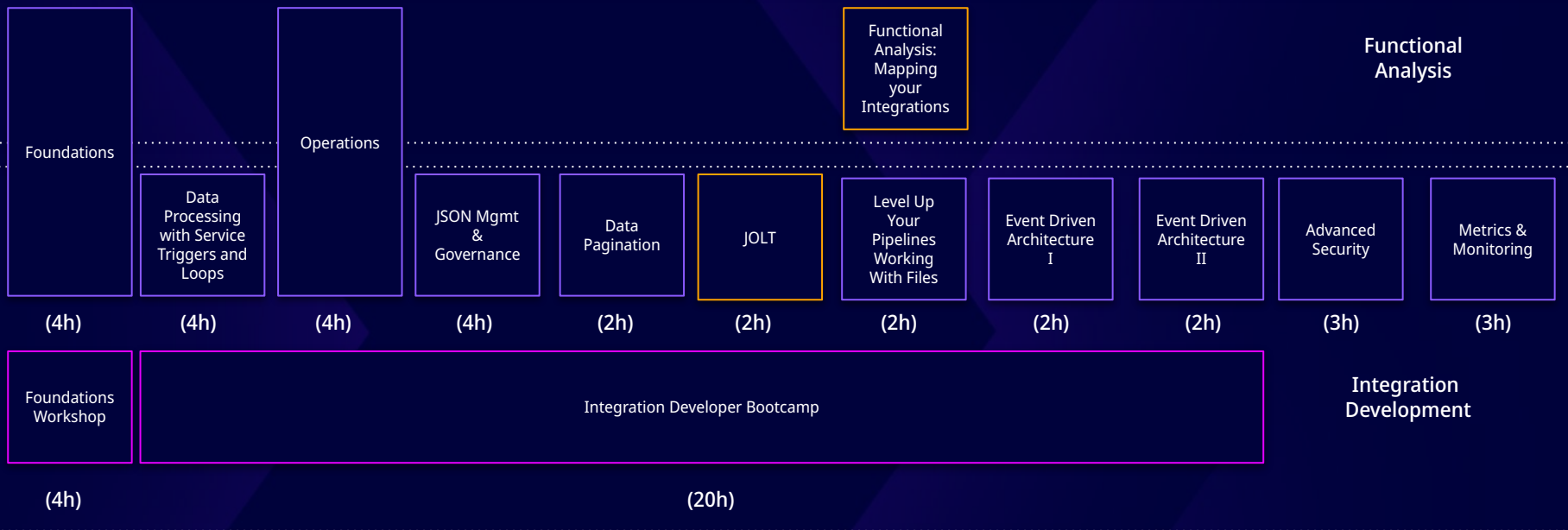
Digibee Technical Certification (optional)

You can take the Technical Certification anytime you want.
Feeling lucky?
For more information, please contact our team.

○ Self-paced   ○ Instructor-led   ○ Extras

Different journeys: **Self-paced vs Instructor-led**

Foundations

(4h)

Data Processing with Service Triggers and Loops

(4h)

Operations

(4h)

Functional Analysis: Mapping your Integrations

Functional Analysis

JSON Mgmt & Governance

(4h)

Data Pagination

(2h)

JOLT

(2h)

Level Up Your Pipelines Working With Files

(2h)

Event Driven Architecture I

(2h)

Event Driven Architecture II

(2h)

Advanced Security

(3h)

Metrics & Monitoring

(3h)

Foundations Workshop

(4h)

Integration Developer Bootcamp

(20h)

Integration Development

○ Self-paced   ○ Instructor-led   ○ Extras

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