



swiftfin

BANKING

50%

85%

15%

75%

Empowering JD Edwards with Open Banking Integration

Using Orchestrations and PSD2 standard

Peter Holemans | Hight.io





Session Overview

01 | Introduction

02 | Product

03 | Architecture

04 | Demo

05 | Questions



hight.io

Combined Decades of ERP Expertise



swiftfin

SwiftFin

Banking Integration



reducr

Reducr

AP Automation & AI Intelligence



orchestratorbot

Orchestratorbot

Low code / No code



jdox

JDox

Media Object Storage & AI Intelligence



oratix

Oratix

ERP Services & Bespoke Development

2020

- ▶ Foundation of Hight.io BV
- ▶ Launch of Reducr.io Intelligent Accounts Payable MVP

2021

- ▶ Launch of OrchestratorBot as a PoC for customer Hamon
- ▶ Launch of FlowIQ Approval and JSheets.io MVP's

2022

- ▶ Hight.io BV becomes Oracle JD Edwards Business Partner
- ▶ Incorporation of FlowIQ and JSheets.io into OrchestratorBot
- ▶ OrchestratorBot receives Oracle Validated Integration (OVI) status

2023

- ▶ Hight.io bv integrates with Pixontri sc
- ▶ Launch of Swiftfin.io Open Banking and JDOX.io DMS products
- ▶ OrchestratorBot for Salesforce
- ▶ Establishment of Oratix.io providing Oracle ERP Services

2024

- ▶ Foundation of Hight.io Bulgaria Ltd. office in Sofia
- ▶ OrchestratorBot for Oracle Netsuite

ORACLE

Partner





01

Introduction

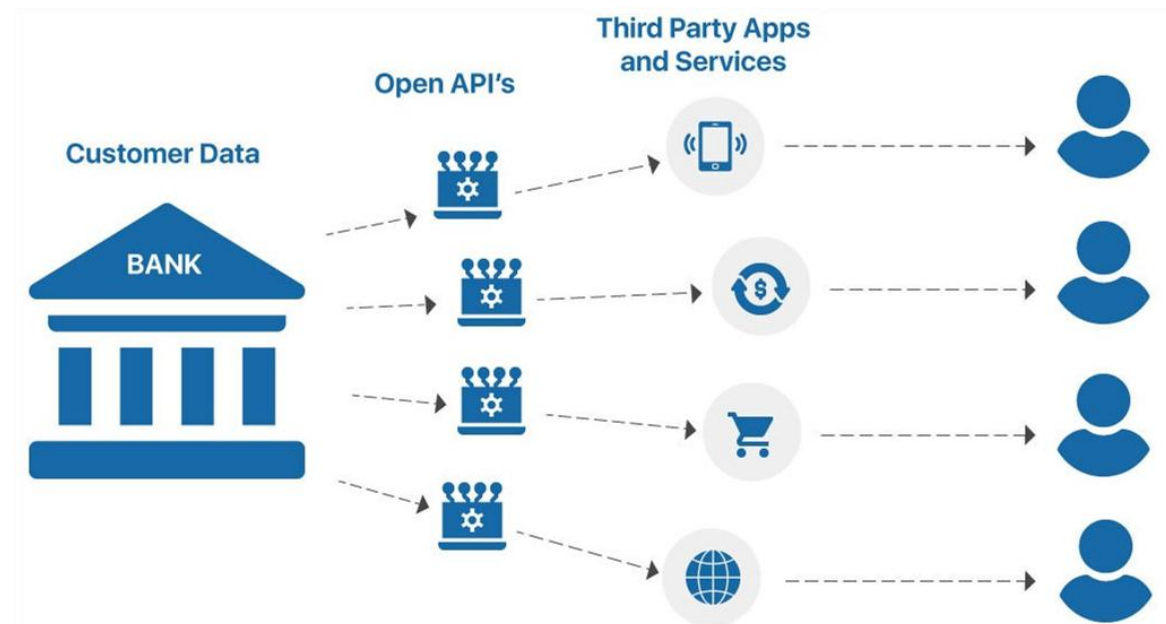


Context : PSD2 – Payment Services Directive 2 *

EU Directive

2018 EU Directive to regulate payment services and payment service providers.

- **PSD2** focuses to create **safer and innovative payments** by third party providers using open banking platform
- **PDS3** will focus on strengthening **PSD2** on security & authentication and **harmonizing the banking features**
- **PSD2** regulates how the financial data are shared between banks and by third-party providers, with the use of **APIs**
- **PSD2** globalises the General Data Protection Regulation (**GDPR**) and Strong Customer Authentication requirement (**SCA**)



* When using open banking API connectors

Introduction

Integration with banks has 3 main pillars

- **Payables** - payment cycles & adhoc payments for suppliers
- **Receivables** - analyze bank statements and track customer invoices
- **Reconciliation** - keep accounts up-to-date in ERP by reconciling account transactions





02

Swiftfin



<https://hight.io>

The Swiftfin Solution

- Communicate using **Orchestrations** with banks leveraging the **open banking APIs**. *
- Eliminate the need of intermediate files, *
- Get **real time** bank balances and transactions, leading to effective financial KPIs, *
- **Native** Banking Solution for JDE Edwards
- Make **payments** within JD Edwards leveraging Cafe1 feature
- Perform **reconciliations**, month-end closures **intuitively**
- **No change** to your existing JDE processes



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The Swiftfin Solution

Safety & Security

- **Single source of truth** - Data from JD Edwards is sent directly to bank eliminating any option to manipulate it
- **Log and notify** - Logs every transaction performed, and get notification email (when configured) while initiating payments *
- **Sign and Approve** - Review the payment batch in your bank portal directly, and sign/approve to finalize the transaction *



* When using open banking API connectors

The Swiftfin Solution

- **Real time connection with bank using APIs** - Ability to query balances, transactions, *
- **Processing statements/account movements** - Customise configuration to pull account transactions into JD Edwards, to start a matching process
- **Flexible approach** - Leverage the benefits of JD Edwards orchestrations to achieve flexibility in matching process



... 1.930 Banks & Counting

* When using open banking API connectors



swiftfin

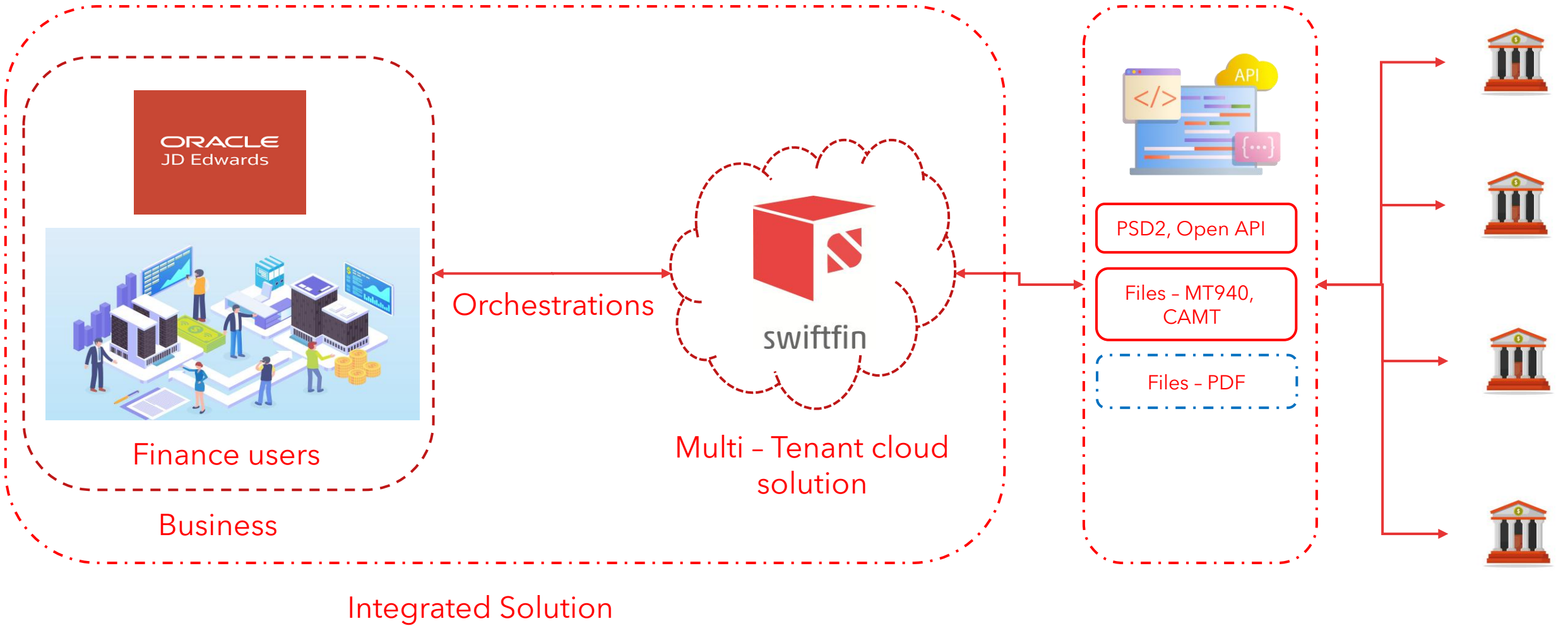
03

Architecture



<https://hight.io>

Architecture



Security

In our code and architecture, we have ensured security practices at every level

- **Code** : By using AWS well architected solution methodologies
- **Database storage** : Using multi-tenanted relational database system from AWS
- **API calls between dashboard and Swiftfin** : Uses secure token-based authentication
- **API aggregator** : Using certified secured financial solution provider *
- **Orchestration**
 - Uses JDE native security while calling orchestration over internet
 - Swiftfin is hosted on AWS VPC, so whitelisting of IP is possible

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04

Demo



Demo

User story - JD Edwards

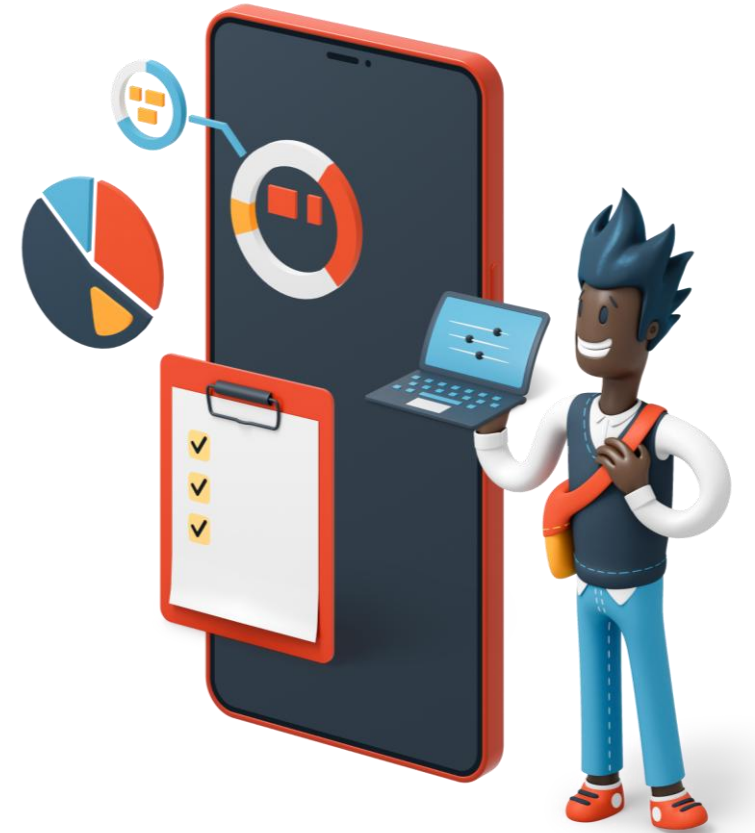
- **Payment Flow ***

- Automatic Payment Cycle
- Initiating payment via Swiftfin
- Sign and Approve the payment in Bank

- **Reconciliation Flow**

- Automatic Reconciliation
- Pick & match a transaction based on customer invoice
- Transaction that is related to bank charges

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Payment Flow

- **Directly from JDE** : data is picked up via Orchestrations to initiate and execute the payments directly with the bank
- **Native**: direct integration with JDE payment applications (manual & automatic flows)
- **Granular** : payment integration can be turned on/off per bank account
- **Secure** : data from JDE are sent directly to the bank with approvals and notifications workflow
- Get rid off different exchange formats
- Coverage for the complete **SEPA** region (€ + Foreign Currency)

The screenshot displays the Swiftfin Payment Management interface. On the left, there is a form with fields for 'Currency Code', 'KBC Account', and 'Thru Date'. Below this is a table with the following data:

Payment Number	Payment Date	Payee Number	Payee Address Number	Pi	At
2	05/17/2022	258618	Marvel Comic Store		
3	05/19/2022	258618	Marvel Comic Store		
4	05/27/2022	258618	Marvel Comic Store		

On the right, the 'PAYMENT MANAGEMENT' section features a search bar and a filter menu with options for 'Supplier number', 'Description', 'Amount', and 'Currency'. Below the filter is a table with the following data:

Actions	Supplier number	Description	Amount
	258618	Iron man Ep1	-2.50
	258618	Iron man Ep2	-2.50

At the bottom of the right panel, there are two buttons: 'CLEAR BULK' (red) and 'PREPARE BULK' (blue).

Reconciliation Flow

karthik.v2.demo@hight.io

ADMIN

Dashboard

Profile

Integrations

Users

Organization

Connectors

Audit

Bank

AccountSettings

Operations

Statements

Reconciliations

Remittance

Cache Settings

Get suggestions

Review suggestions

Connector
Hight.io Dev

IBAN
BE06871578670922 - EUR

Get Suggestions






Description
June 12 Day Closure

Get Latest Available Transactions

Get Transactions for custom date range

Get suggestions

Refresh suggestions

Actions	Description	Status	Header Audit Trail	Match ID	Criteria	Date range
  	June 12 Day Closure	CREATED	Audit Trail	89975542-ea78-475a-a7...	latestAvailableTr...	Not custom range
	InterTest	CLOSED	Audit Trail	0cd1c026-bb0e-43aa-ac...	latestAvailableTr...	Not custom range
	May Closure	IN_PROGRESS	Audit Trail	9e933bab-44e6-4582-aa...	ByDate	2025-05-01 - 2025-05-31

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Reconciliation Flow

karthik.v2.demo@hight.io

ADMIN

June 12 Day Closure

Match ID: 89975542-ea78-475a-a700-e408c518cbdf

Currency: EUR

Criteria: latestAvailableTransactions

IN_PROGRESS

Bank Account Description: Nostrum iste et.

View Audit Trail

Stats:

Additional information: Header Booking Done: Yes

Actions	Status	Amount	Currency	Remittance Info	Counterpart Status	Counterpart name	Counterpart Reference	Counterpart date	Match found
⋮	OPEN	-136.56	€ EUR	BULK Payment	KNOWN	Swiftfin Dev Supplier 1	BE77735061309442	03-06-2025	Match found
⋮	OPEN	-250.25	€ EUR	BULK Payment	KNOWN	Swiftfin Dev Supplier 2	BE69736022379378	03-06-2025	Match found
⋮	OPEN	-150.00	€ EUR	Credit card Charges	NOPARTY			12-06-2025	No match found
⋮	OPEN	100.25	€ EUR	3404	KNOWN	Swiftfin Customer 1	NL32NRV50315912759	12-06-2025	Match found
⋮	OPEN	205.62	€ EUR	25061201	KNOWN	Swiftfin Customer 2	BE52617554201847	12-06-2025	Match found
⋮	OPEN	365.98	€ EUR	3406	KNOWN	Swiftfin Customer 3	BE85003446216994	12-06-2025	Match found
⋮	OPEN	398.78	€ EUR	CADRAN02	KNOWN	Swiftfin Customer 3	BE85003446216994	12-06-2025	Match found
⋮	OPEN	402.00	€ EUR	3408	KNOWN	Swiftfin Customer 4	BE20075729715773	12-06-2025	No match found
⋮	OPEN	505.69	€ EUR	total open	KNOWN	Swiftfin Customer 5	BE55809622679884	12-06-2025	Match found

Cache Settings

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Reconciliation Flow

The screenshot displays a web application interface for bank reconciliations. The browser address bar shows the URL `https://demo.app.v2.swiftfin.io/bank/reconciliations`. The user is logged in as `karthik.v2.demo@hight.io` with an `ADMIN` role.

Navigation Sidebar:

- Dashboard
- Profile
- Integrations
- Users
- Organization
- Connectors
- Audit
- Bank
 - AccountSettings
 - Operations
 - Statements
 - Reconciliations
 - Remittance
- Cache Settings

Main Content Area:

June 12 Day Closure

Match ID: 89975542-ea78-475a-a700-e408c518cbdf

Currency: EUR

Criteria: latestAvailableTransactions

IN_PROGRESS

Bank Account Description: Nostrum iste et.

[View Audit Trail](#)

Stats:

Matching Progress: 8 of 10 matches

Matching Algorithms Breakdown:

- Match By Amount and Date
- By Invoice Number - DOC
- By Sales Order Number - SDOC
- By Customer Reference
- By Total Open Invoice Amount

Additional information:

Header Booking Done: Yes

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Reach in EU *

- 1930+ banks, covering all major bank chains
- 39+ Countries
- Easy customer onboarding

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Key Benefits Summary on Open Banking (PSD2)



Integrate your SEPA banking operations directly in JDE



Easy automated and integrated reconciliation operations



Elevated security level and direct integration into your JDE ERP



Receive bank statements on demand and real time



Real-time credit management



Search & find transactions

For IT & Business





swiftfin

05

Questions



<https://hight.io>



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