



# Accelerated migration from SAP PI to SAP Cloud Integration Suite

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# Speakers

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# Goals of this presentation

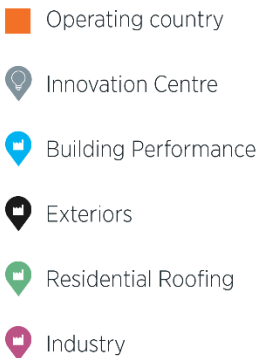
- Get to know Etex and Flexso
- Considerations and decision-making journey to SAP CPI
- Steps to migrate a flow from SAP PI to SAP CPI
- Migration gaps & workarounds
- Discover our lessons learned and Flexso accelerators
- Q&A

# About Etex

**etex** inspiring ways  
of living



Selective presence • Local anchorage • Major employer



 Employees

 Countries

## Plants



Innovation &  
Technology Centres


 Million  
revenue

# Market intimacy as the cornerstone of our structure

5 global divisions – each targeting a well-defined business segment



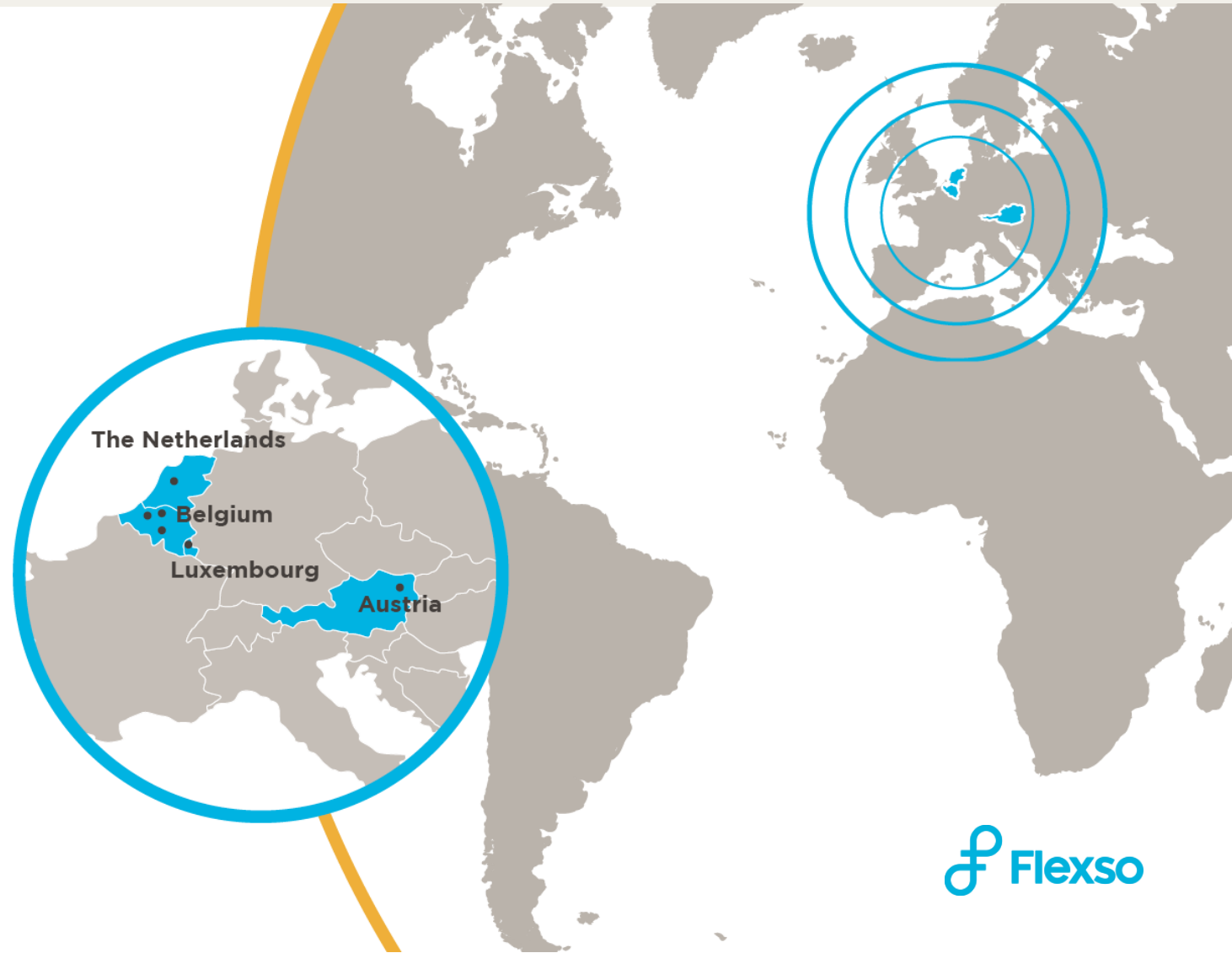
<https://youtu.be/p5pTc8i6LUUs>

# About Flexso ...



# Facts & figures Flexso

- 350 consultants
- 20% growth per year
- 50 million euro
- 5% attrition
- 140 active customers
- Projects in 40 countries
- 6500 Cronos consultants





# Flexso Integration Factory

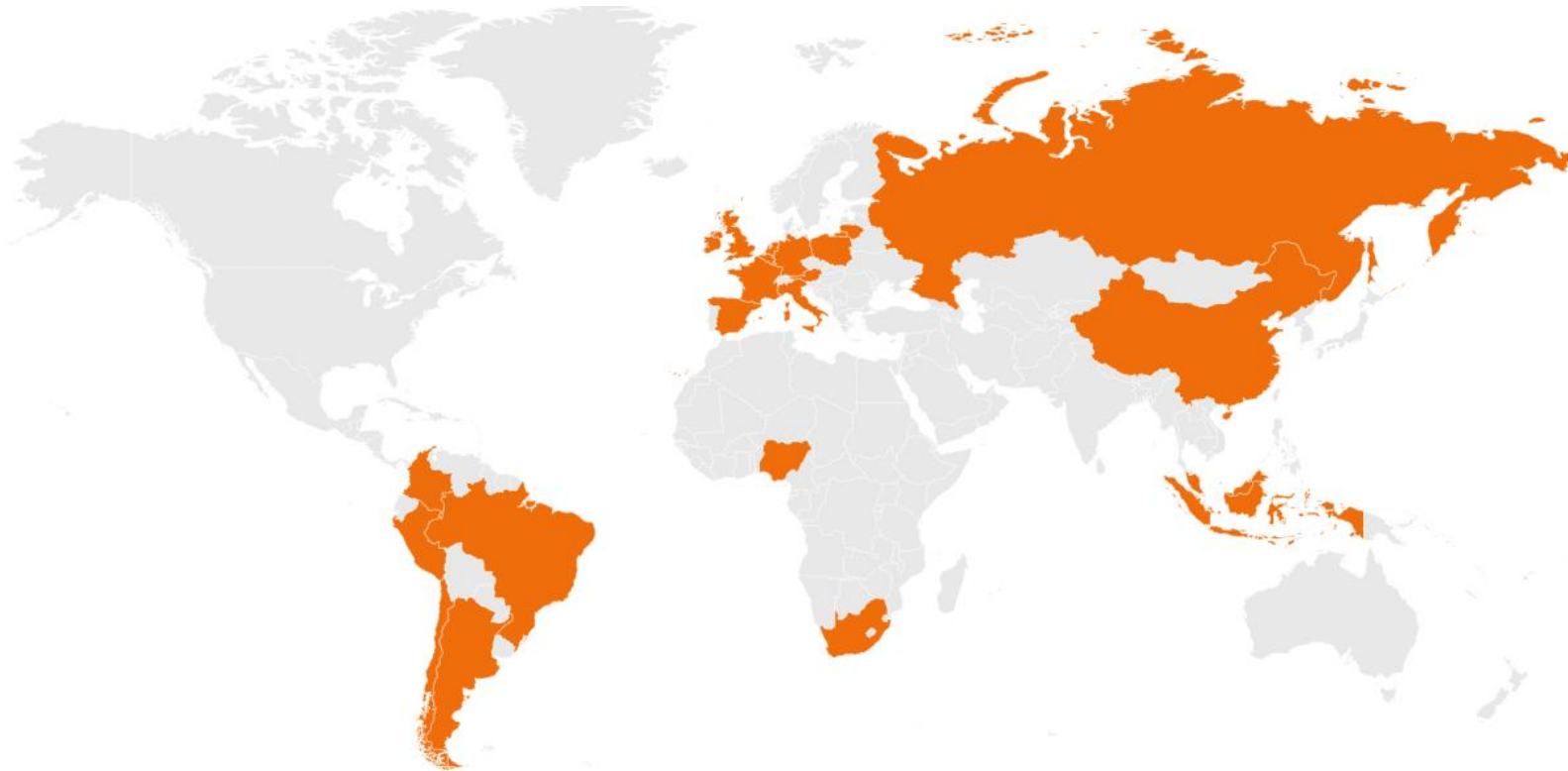


A blurred background image of a business meeting. Several people in professional attire are seated around a white table. In the foreground, a person's hand is visible holding a pen over an open laptop. Other laptops and documents are scattered on the table. The overall scene suggests a collaborative work environment.

# Etex vision & migration journey

# Etex IT: Current situation (general)

## A team spread across 5 continents



175



## IT Employees

22



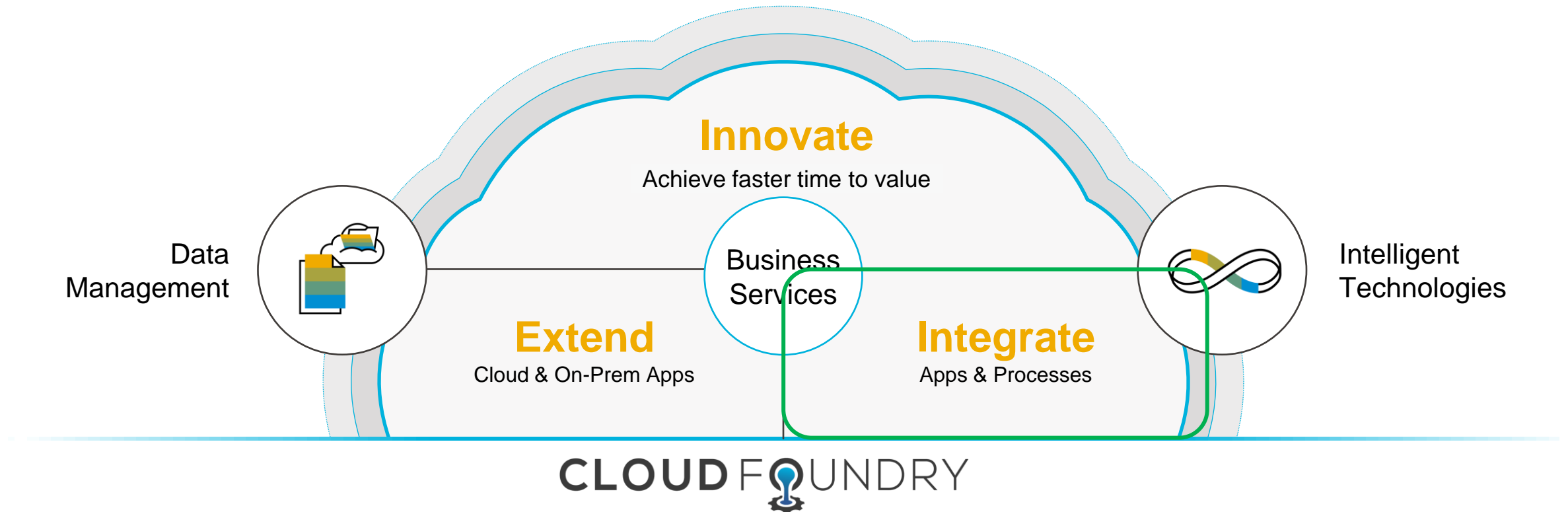
## Countries

➡ One Etext Strategy

# SAP Business Technology Platform

Accelerating the Intelligent Enterprise

## SAP Business Technology Platform



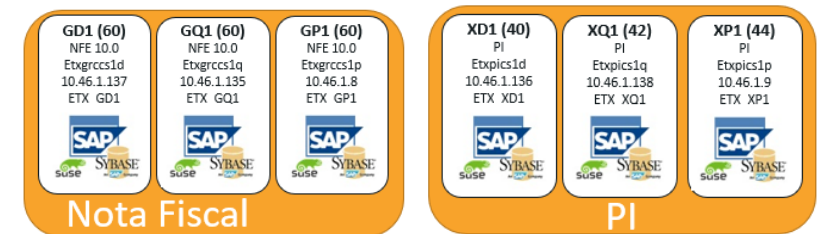


# Etex: Migration project

Why?

- Etex runs multiple middlewares on-premise

- › PI - Netweaver 7.4 SP6: 120 Interfaces
  - › GRC - Netweaver 7.4 SP9: 45 “Nota Fiscal” Interfaces
- > Current versions out of maintenance by end 2020



- What to do ?

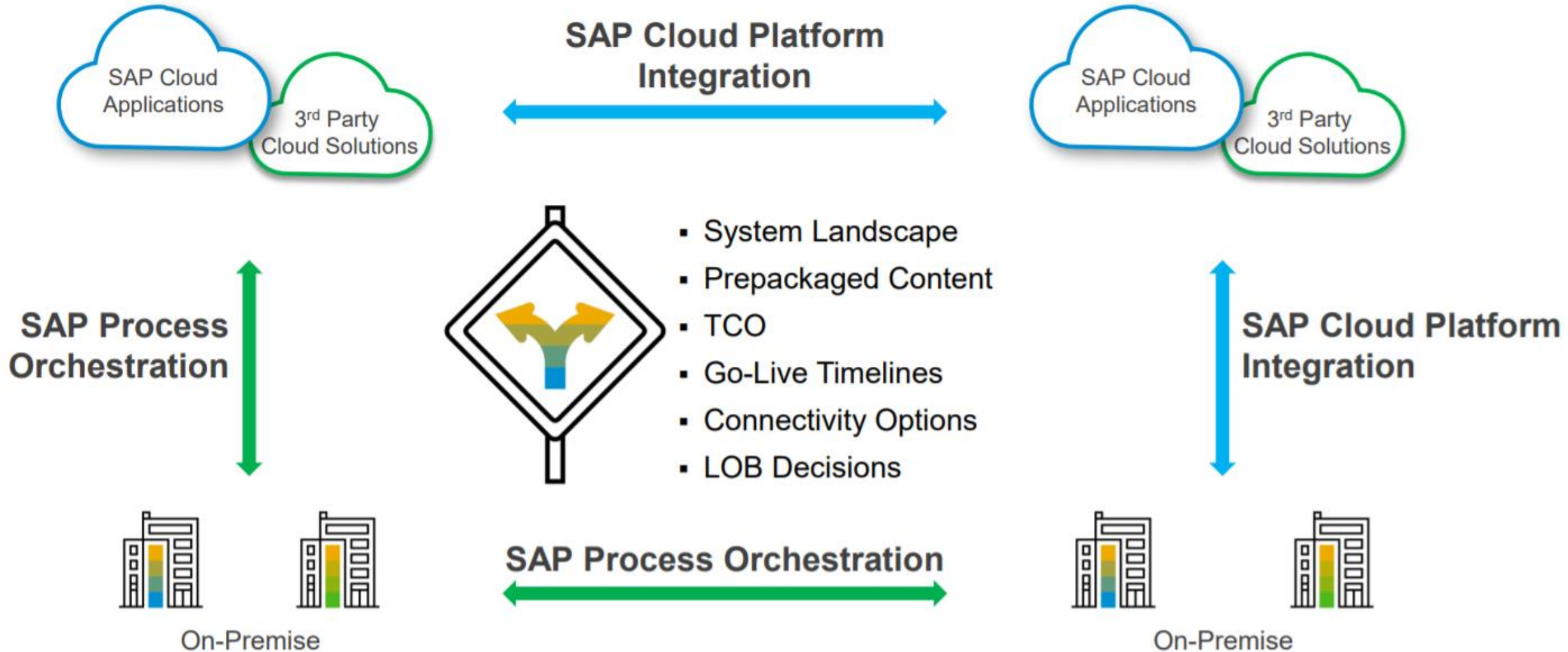


- Migration strategy options :

- › Upgrade to SAP PI 7.5 (Dual Usage Type)
- › Migrate SAP PI to SAP PO
- › Move to the Cloud (SAP CPI)
- › Hybrid scenario (migrate to SAP PO & CPI)

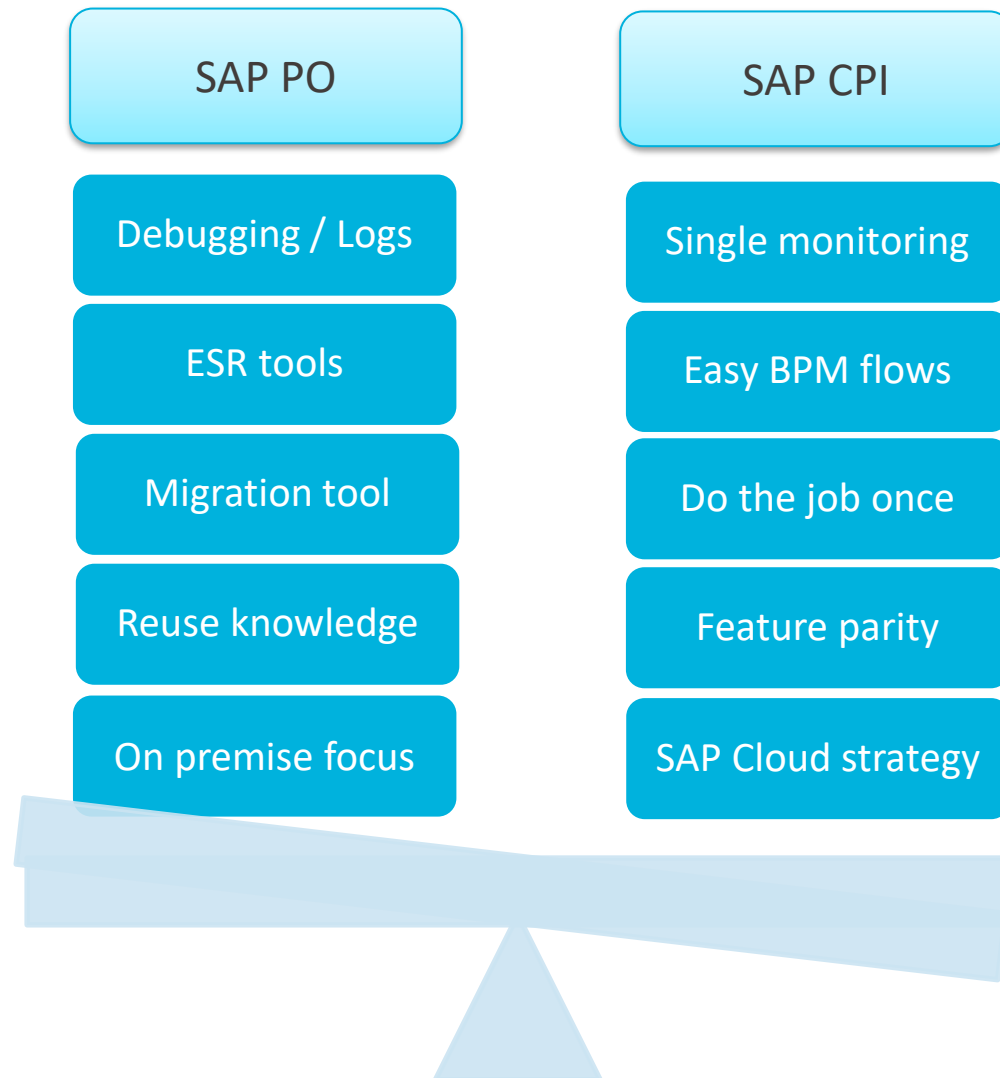
# Migration strategy

Positioning SAP CPI & SAP PO



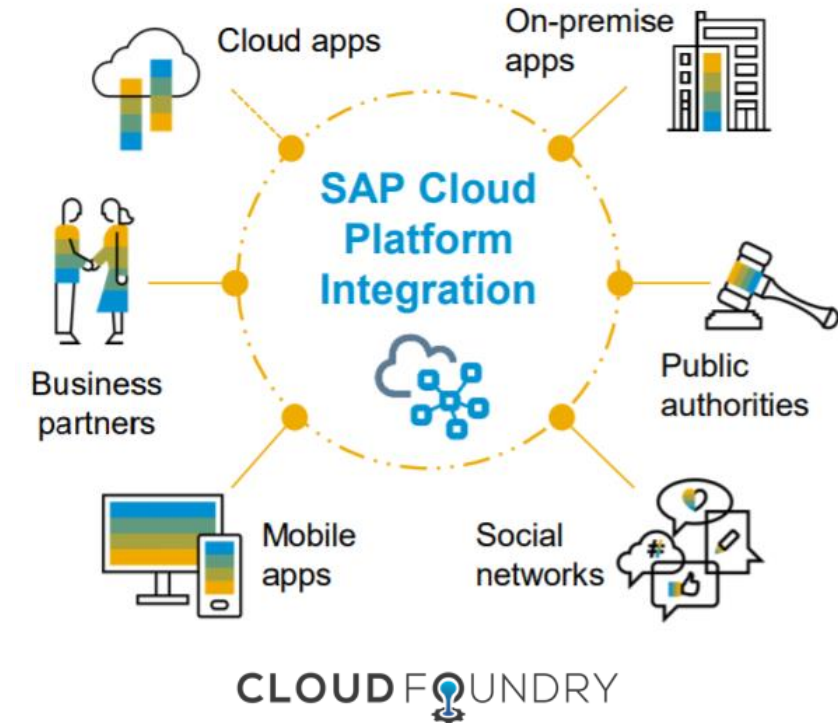
# Migration strategy @Etex

Positioning SAP CPI & SAP PO



# SAP Cloud Platform Integration

- Cloud technology
  - › iPaaS: Integration Platform-as-a-service
  - › Strong security focus and infrastructure availability
  - › Middleware: transformations, mappings, routings
  - › Focus on prepackaged standard content
  - › A2A & B2B
  - › Integrating on-premise and cloud applications

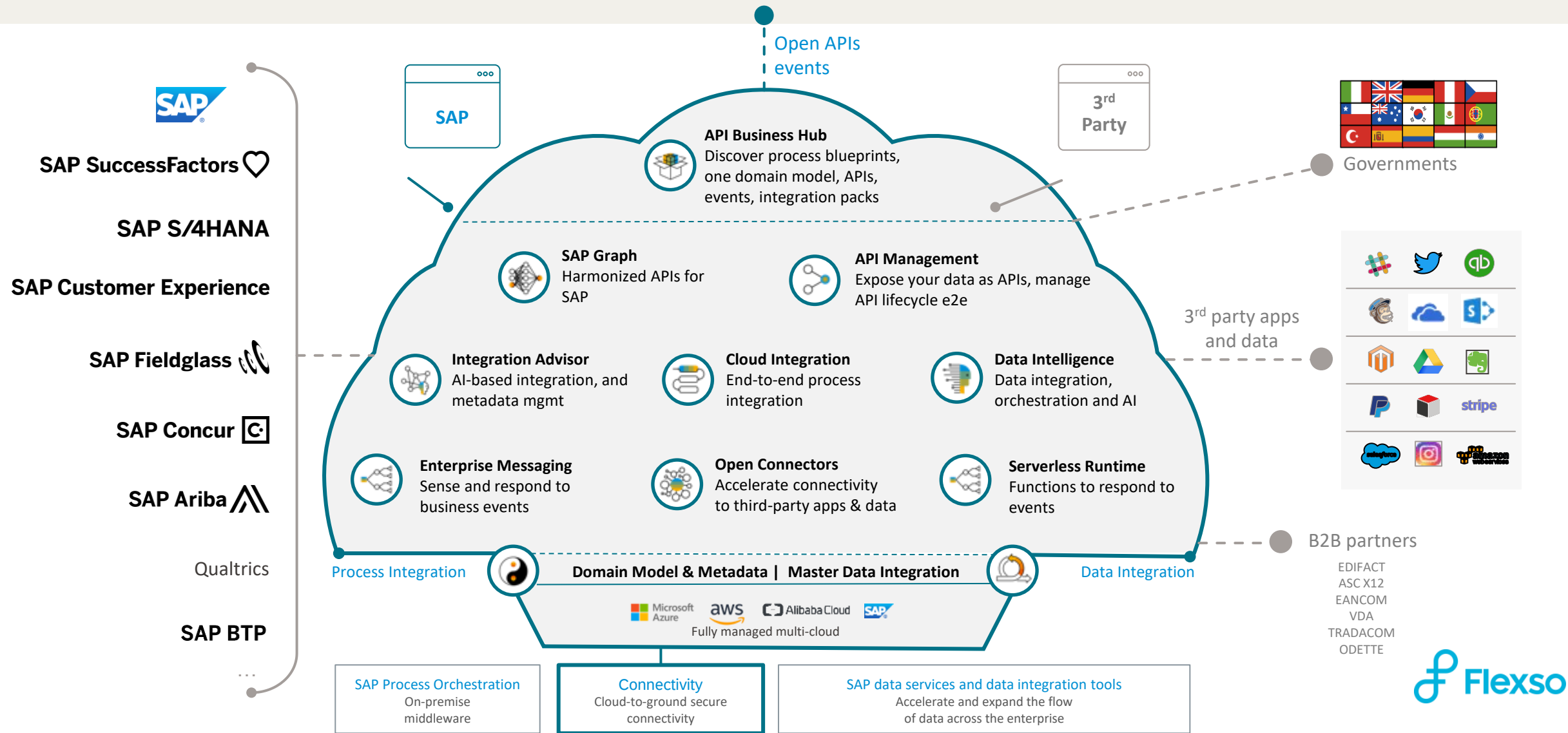


- Part of the Integration Suite on SAP BTP (Neo & Cloud Foundry)



# SAP Integration Suite

SAP's hybrid integration platform for the intelligent enterprise







# SAP Integration Suite project



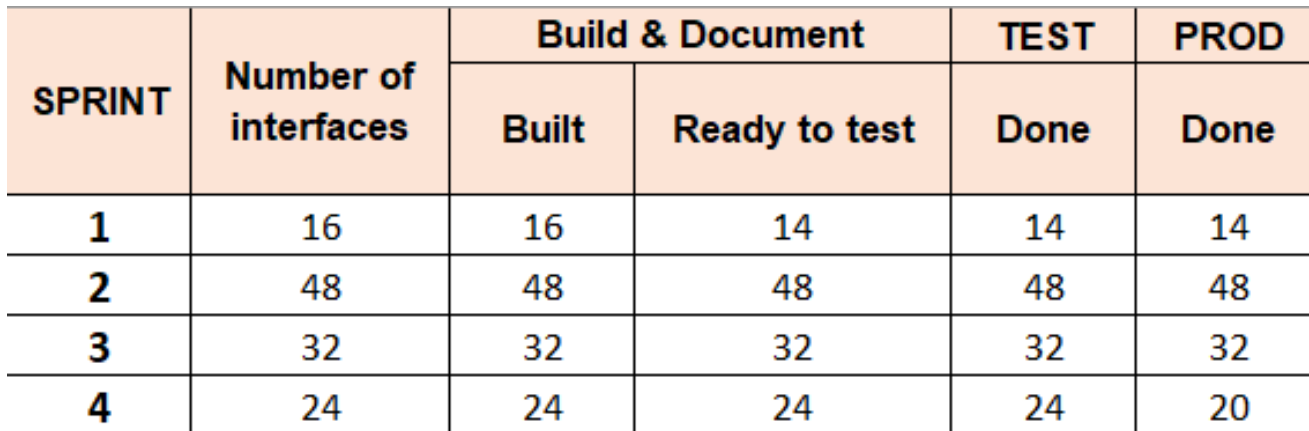
# Project approach

# Project approach

- Sprint 0
  - › Divided all 120 interfaces in 4 week during sprints
  - › Chosen to start first migration sprint with less complex interfaces
  - › Training the Etex team
  - › Setup all environments (3-tier CPI CF landscape, TMS installation, Cloud connector, ..)
- Sprint 1-4
  - › 3 weeks of migrating – 1 week of UAT testing and go-live
- All new interfaces directly developed on CPI



120+ interfaces



# SAP PI – CPI migration steps

# Migration of standard flow

## Steps

- Create a CPI flow
- Use CPI tool to import ESR message mapping
  - › Automated standard tool (CPI <-> PI)
  - › Re-use Message mapping
  - › Re-use WSDL's and XSD schema's
- Configure adapters
- Testing

# Fitting all gaps by standard solutions and workarounds

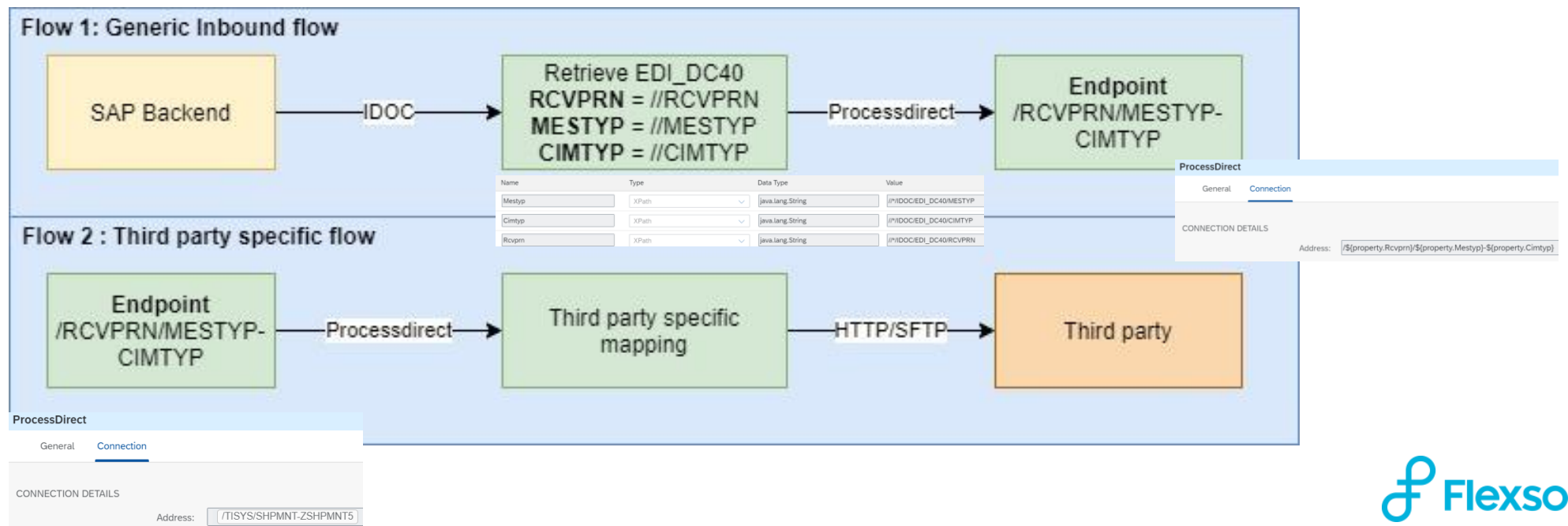
## Gaps

- Message mapping migration via tool is not showing custom java functions (UDF and Function libraries)
- No RFC sender channel available
- Extra configuration needed for outbound communication with XI and IDOC adapters
- Basic authentication (user/pswd) rework for inbound third-parties
- ...

# Fitting all gaps by standard solutions and workarounds

## Generic outbound flows

- Generic IDOC handler for all outbound flows
  - › Flow 1 : Fixed endpoint and used in WE21
  - › Flow 2 : Called via dynamic endpoint and communication towards third-party





# Fitting all gaps by standard solutions and workarounds

Basic authentication for inbound third-party communication

- Create technical users via oAuth client
  - › Deploy service instance per party on CF space
  - › Create service key

The image shows two overlapping screenshots from the SAP Cloud Platform (SCP) console. The background screenshot, titled 'Credentials', displays the configuration for an OAuth client. The 'default' tab is selected, showing a JSON configuration with fields like 'clientid', 'clientsecret', 'url', 'grant-types', 'refresh-token', 'urn:ietf:params:oauth:client-assertion-type', 'password', 'authorization-url', 'user-token', and 'roles'. The foreground screenshot, titled 'Space: content-transport - Service Instances', shows a table of deployed service instances. The table has columns for Instance, Service, Plan, Credentials, and Status. Three instances are listed, all with a status of 'Created'.

Instance	Service	Plan	Credentials	Status
cpi-instance-commerced...	Process Integration Runtime	integration-flow	1 key	Created
cpi-instance-latam	Process Integration Runtime	integration-flow	1 key	Created
cpi-instance-mpm	Process Integration Runtime	integration-flow	1 key	Created

# Flexso cookbooks & lessons learned

## Summary

- Refactoring cookbooks & workarounds
- Comprehensive naming conventions and guidelines (15+ pages)
- Technical and functional documentation templates
- Transport Management System (TMS) setup and procedure
- Creating technical third-party users for inbound communication
- Numerous best practices:
  - › Externalize as much as possible
  - › Use custom tags on package level to define business owners and contacts
  - › General scripts for payload logging
  - › ..

# Feedback & key takeaways

# Feedback & key takeaways

- SAP PO & CPI are both mature middlewares
- Customer-specific migration strategy based on vision & situation
- Start with integration workshop(s)
- Use guidelines & best practices
- Choose for SAP CPI on Cloud Foundry
- Yes, it is possible to migrate SAP PI to CPI !
  - › Sufficient guidance and expertise in both SAP PI and CPI
  - › Good cooperation and a satisfied team

# Q&A SESSION





# Contact Flexso

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