



SAP Garage Series

Integration Migrations

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Daniel Graversen



- Worked with SAP Integration from SAP XI 3.0 in 2004
- SAP Mentor and presented at SAP Teched
- Fascinated by making it much easier to improve the speed of development
- Worked as Integration Architect and developer
- Founded Figaf to simplify integration



**Creating tools to
simplify SAP Integration
operations for 6 years**



Started with testing tool
for SAP PI/PO



Version of SAP PI object to
improve governance



Added transport capabilities



Added option to support for
SAP Cloud Integration(CPI)



PI to CPI migration on the
platform

Discovery Mission



SAP SAP Discovery Center Log On

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Automate the Migration from SAP Process Integration to SAP Cloud Integration with the Figaf Migration Tool

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[Overview](#) [Project Board](#) [Resources](#) [Support](#) [Related Missions](#)

Use Case

Clients using SAP Process Integration have to migrate to SAP Cloud Integration within the next ten years because SAP PI support is ending. The migration to SAP Cloud Integration is well worth it but requires reasonable development time.

At Figaf, we have built a tool that can automate the migration. So just in a few clicks you can migrate an ICO or Receiver Determination to an IFlow including Routing and Mappings, Function Libraries and Channels.

Current Position

Currently, the migration from SAP Process Integration to SAP Cloud Integration is complicated and it takes a lot of time.

Mission Destination

The Figaf Migration Tool converts the ICOs to IFlows with message mappings, and then transports these IFlows to production. Using this tool, you can test the integration the same way as on an SAP Process Integration system.

How You Get There

The Figaf Migration Tool automates the migration from SAP Process Integration to SAP Cloud Integration. It also minimizes the risk of failure of SAP integrations, and helps you fix issues easier and faster.

About Missions

Missions include best practices and step-by-step guidance for implementing use cases, with a well-established support from SAP partners and SAP Community.

What it can do for you?

Starting a mission enables you to:

- Customize for your business needs
- Collaborate with your team members
- Connect with Partners

Please note that this is FREE of cost. To learn more about missions, visit our [Help Center](#).

Go ahead, start your mission for FREE!

[Start Mission](#)

Diagram of the Figaf Migration Tool in a Process Integration to Cloud Integration migration

Project board



Automate the Migration from SAP Process Integration to SAP Cloud Integration with the Figaf Migration Tool

DISCOVER	PREPARE	SET UP	COMPLETE
<p>BASICS VIDEO</p> <p>Learn about the Figaf Migration Tool</p>	<p>IMPORTANT</p> <p>Scope out project</p>	<p>ADVANCED</p> <p>Procure and set up hardware requirements</p>	<p>MILESTONE OPTIONAL</p> <p>Go live and celebrate</p>
<p>READ LINK</p> <p>Read blog post about updates to our migration tool</p>	<p>ADVANCED</p> <p>Review security and IT governance</p>	<p>DELIVERABLE MILESTONE</p> <p>Install and configure the Figaf Migration Tool with your procured license</p>	<p>DELIVERABLE</p> <p>Commence bulk migration processes after "Go-live date"</p>
<p>OPTIONAL LINK</p> <p>Utilize the Figaf Migration Help Center for your SAP Migration</p>	<p>LINK COLLABORATE</p> <p>Contact our experts and schedule a meeting to conduct a solution walkthrough</p>	<p>COLLABORATE MUST</p> <p>Onboarding and training</p>	<p>ADVANCED</p> <p>Apply continuous improvements and upgrades</p>
<p>IMPORTANT LINK</p> <p>Install and test the Figaf Migration Tool with a trial license</p>	<p>LINK MILESTONE</p> <p>Set up the contract, pricing, and procurement</p>	<p>DELIVERABLE</p> <p>Execute final testing</p>	<p>DELIVERABLE OPTIONAL</p> <p>Share your success and select the next mission</p>
<p>DELIVERABLE COLLABORATE</p> <p>Perform fit-gap analysis and collect requirements</p>			<p>LINK MILESTONE</p> <p>Complete the mission</p>

Why SAP Cloud Integration over PI/PO



**Future platform
for SAP
Integration**



**Modern
platform**



**Create better
integration
especially for
cloud integration**



**IPaaS platform
and lower
operations cost**

There is also a few things that still needs to be improved (ie, governance and operation)

SAPs effort with migration



SAPs migration factory, is there to help you migrate ([link](#))

SAP are working on improving the process of migration. They will have a new tool for handling migrations in beta Q4 2022 and GA in Q1. I don't know what the tool will be able to perform and the roadmap for it.

SAP have an assessment tool you to let you understand the complexity of your landscape and effort for migration.

Working with partners like Figaf to help with test automation (in progress)

History of our migration tool



Requested by customers but did not seem feasible

MAY 2021
Participated in Hack2Build to experiment

Won Hack2Build to create an automation tool

Enhanced development of the tool to productive use demo vs real life case is different

SEPTEMBER 2021
First clients used tool to automate their migrations

Continued development

Why do we want to automate migrations?



Create consistency



Speed up the process



Spend our money on the things that matter



Make migrations easier to manage



Easier to test



Free up developers

**Can everything
be migrated?**

No

But there will be cases where you
will want to redesign the
integration because it will be
better

**If we can
migrate**

70%

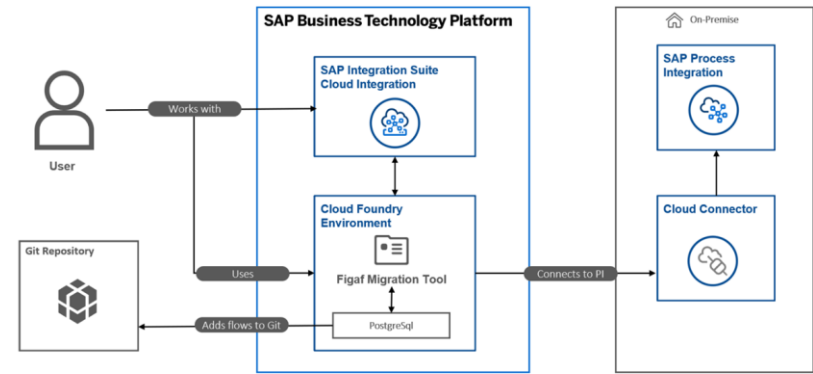
then it is good



Why Deploy in SAP BTP



- Simplify deployment for customers and our support
- Few weeks to migrate our Java App to BTP
- All customers have the same
- User management
- Data privacy and security



Assessment of your current landscape



Understand your landscape and what you need to migrate

Get the Figaf Excel report

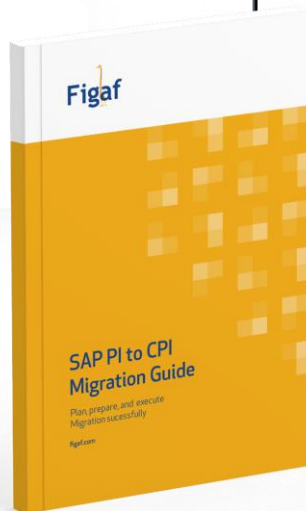
- All ICOs/Receiver Determination
- Mappings types
- UDF
- Channel and modules
- Message count

A	B	C	D	E	F	G	H	I	J	K
SAP System	Type	FI object	Scenario Type	Sender Party	Sender System	Sender Channel	Sender Type	Sender Modules	Operation Mapping	Operation Mapping Content
D75	ICO	{SAPERF}Invoice0_OA/http://figaf/pitocp111}	EXACTLY_ONCE		SAPERF	HTTPSender	HTTP_AAE		Mapping1/http://figaf/pitocp111/MIGRATION 1.0 of figaf.com	mapping1/http://figaf/pitocp111/MIGRATION 1.0 of figaf.com
D75	ICO	{SAPERF}Invoice0_OA/http://figaf/pitocp111}	EXACTLY_ONCE		SAPERF	HTTPSender	HTTP_AAE		Mapping4/http://figaf/pitocp111/MIGRATION 1.0 of figaf.com	mapping4/http://figaf/pitocp111/MIGRATION 1.0 of figaf.com
D75	ICO	{SAPERF}OrderSync_Out/http://figaf/pitocp151}	BEST_EFFORT		SAPERF	HTTPSender	HTTP_AAE		OrderSync4/http://figaf/pitocp151/MIGRATION 1.0 of figaf.com	OrderSync4/http://figaf/pitocp151/MIGRATION 1.0 of figaf.com
D75	ICO	{SAPERF}Invoice3_In/http://figaf/pitocp3}	InterfaceSplit	BEST_EFFORT	SAPERF	HTTPSender	HTTP_AAE		Invoice3/http://figaf/pitocp3/MIGRATION 1.0 of figaf.com	Invoice3/http://figaf/pitocp3/MIGRATION 1.0 of figaf.com
D75	ICO	{SAPERF}Invoice3_In/http://figaf/pitocp3}	InterfaceSplit	BEST_EFFORT	SAPERF	HTTPSender	HTTP_AAE		Invoice3Lb/http://figaf/pitocp3/MIGRATION 1.0 of figaf.com	Invoice3Lb/http://figaf/pitocp3/MIGRATION 1.0 of figaf.com
D75	ICO	{SAPERF}OrderSync_Out/http://figaf/pitocp9}	IASITNC	EXACTLY_ONCE	SAPERF	SOAPOrderService	SOAP		OrderASync_1/http://figaf/pitocp9/MIGRATION 1.0 of figaf.com	OrderASync_1/http://figaf/pitocp9/MIGRATION 1.0 of figaf.com
D75	ICO	{SAPERF}OrderSync_Out/http://figaf/pitocp9}	IASITNC	EXACTLY_ONCE	SAPERF	SOAPOrderServiceA sync	SOAP		OrderASync_2/http://figaf/pitocp9/MIGRATION 1.0 of figaf.com	OrderASync_2/http://figaf/pitocp9/MIGRATION 1.0 of figaf.com
D75	ICO	{AttachmentSystem}Invoice0_OA/http://figaf.com/attachme	renamer}	EXACTLY_ONCE		FileSenderAttachme	File		FixAttachment1/http://figaf.com/attachmentname/MIGRATION 1.0 of figaf.com	FixAttachment1/http://figaf.com/attachmentname/MIGRATION 1.0 of figaf.com
D75	ICO	{BC_FLY_VENDOR}Order_OA/http://fly.org/module1/ORDER/M	EXACTLY_ONCE			FileSenderOrder	File		Order_OA_to_IDOC_Order_1A/http://fly.org/module1/ORDER/O	Order_OA_to_IDOC_Order_1A/http://fly.org/module1/ORDER/O

SAP also have an assessment to get some data about your migration

Two free resources

Get our Guide to
the migration



	Number of ICOs in the system	Hourly rate	If automated	Developers or		
	200	70,000		3		
	% of integration	Time days	Integrations	Total days	Reduction in 1 Time days	Integrations
1:1 Migrations	70	2	140	280	50%	1
Redesign	15	7	30	210	20%	5,6
No longer used	15	0	30	0	0	30
Total	100	200	490			308
Migration Project						
Preparation		10				15
Migration effort		490				308
Total days		500				323
Project Duration in months		8,3				5,4
Price for migration		280.000,000€			180.880,000€	Figaf Cost
Figaf Cost					17.000,000€	Price pr migra
Savings for migration					170	Number of mi

Project
estimation

figaf.com/migration-help-center

Demo

- Deployment and management in BTP
- Overview of your integration
- Migration demonstration
 - Async
 - Including testing
- Transport demonstration

Figaf DevOps for Cloud Integration Mission



- We also have a mission to cover how to improve the way you are handling your SAP Cloud Integration content.
- The migration tool build on top of this
- Good place to start before you get into migration efforts to have better processes of what is going on with your integration

A network diagram with orange and yellow nodes connected by white lines, positioned in the top-left and bottom-right corners of the slide.

Simplify the way you are
delivering SAP Integration

Questions

What is the difference between SAP Message Mapping import and Figaf migration

EDI migration

Can we migrate in batch?

How about ccBPM or BPM