



INTERNAL

Move from SAP Process Orchestration to SAP Integration Suite

Migration Assessment Report

System

PO_CAL

Date of Report

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Introduction

By introducing the SAP Business Technology Platform (BTP), the integration topic has moved to a new stage. Certainly, there is an infrastructure change running cloud-based services and solutions. This means that administration and operational tasks may differ. The innovative technology also impacts the SAP Integration Suite design and runtime.

Nested as a service on SAP BTP, SAP Integration Suite runs in SAP BTP, Cloud Foundry environment. This foundation is an open-source platform as a service (PaaS). It is designed to be configured, deployed, managed, scaled, and upgraded on any cloud Infrastructure as a Service (IaaS) provider. Please be aware of what features the Cloud Foundry environment on SAP BTP supports and doesn't support.

However, the intention of SAP Integration Suite is to connect and automate processes and data efficiently across the heterogeneous IT landscape and business network by providing comprehensive integration capabilities and best practices to accelerate and modernize integration. For this purpose, SAP Integration Suite includes technologies not available within SAP Process Orchestration and vice versa. Therefore, it is highly recommended to get familiar with the capabilities of the SAP Integration Suite.

One capability of SAP Integration Suite is the migration assessment. This tool automatically analyzed the integration scenarios provided by your SAP Process Orchestration system and performed an assessment.

The assessment includes:

- an overall estimation in days of the effort required to migrate to the SAP Integration Suite
- for each integration scenario, an assessment result that gives information regarding functional readiness to move those scenarios to the SAP Integration Suite.

The results of the assessments are detailed in this report, with recommendations where appropriate.

Please note that the recommendations and effort estimation provided are based on our general experience and do not replace a project plan for a migration.

Please note that the analysis of the evaluation run only focuses on integration configurations and directly related objects. For a full list, see [Concepts in Migration Assessment](#)

Executive Summary

Based on our migration assessment, we estimate that it would take **between 20.25 and 51.00 days to migrate** the integration scenarios from your current SAP Process Orchestration system to the SAP Integration Suite.

Also from our assessment,

- **58%** of the integration scenarios reviewed from your current SAP Process Orchestration system can be moved manually or semi-automatically to the SAP Integration Suite.
- **32%** of the integration scenarios reviewed from your SAP Process Orchestration system can be moved manually or semi-automatically to the SAP Integration Suite with some adjustments required.
- **11%** of the interfaces should be further analyzed and re-evaluated prior to the move to SAP Integration Suite.

After reviewing the content of this report, we would recommend to get in touch with SAP or your SAP-Partner to plan the next steps.

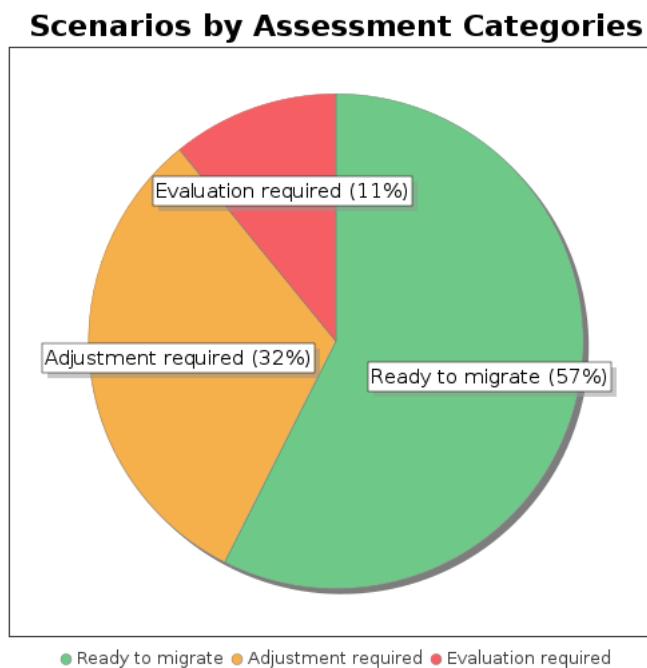
Migration Assessment

Assessment Categories

- **Ready to migrate:** These integration scenarios match to the SAP Integration Suite. They can be moved manually or semi-automatically to the SAP Integration Suite. The move might include additional steps within SAP Integration Suite to configure this scenario properly.
- **Adjustment required:** These integration scenarios partially match to the scenarios offered in SAP Integration Suite. They can be moved to SAP Integration Suite manually or semi-automatically. Further adjustments to the end-to-end integration process based on best practices are required.
- **Evaluation required:** For these integration scenarios, some items require further evaluation before the scenario can be moved to SAP Integration Suite.

Scenario Categorization Summary

The below chart shows the number of integration scenarios in each assessment category.



Current Status	Rating	Integration Scenarios	% of Total Scenarios
Ready to migrate	●	33	58
Adjustment required	●	18	32
Evaluation required	●	6	11
Total		57	100

Based on our migration assessment,

- **58%** of the integration scenarios reviewed from your current SAP Process Orchestration system can be moved manually or semi-automatically to the SAP Integration Suite.
- **32%** of the integration scenarios reviewed from your SAP Process Orchestration system can be moved manually or semi-automatically with some adjustments.
- **11%** of the interfaces should be further analyzed and re-evaluated prior to the move to SAP Integration Suite.

Modernization Recommendations

The following section contains recommendations for modernizing your integration scenarios. These recommendations point out where your existing integration scenarios show potential to be updated for optimal usage in SAP Integration Suite.

The modernization recommendations are available in the following categories:

- **Integration Style:** Recommendations on integration patterns
- **Mapping:** Recommendations on using different mapping approaches
- **Monitoring & Operation:** Recommendations on enhancing monitoring and operations
- **Protocol:** Recommendations on using state-of-the-art communication protocols
- **Security:** Recommendations on using state-of-the-art security options in integration scenarios

For more information on when to use and how to apply the recommendations, see [Modernization Recommendations](#) in the Migration Guide for SAP Process Orchestration.

84% of your integration scenarios are eligible for one or more modernization recommendation. Please review the proposed recommendations.

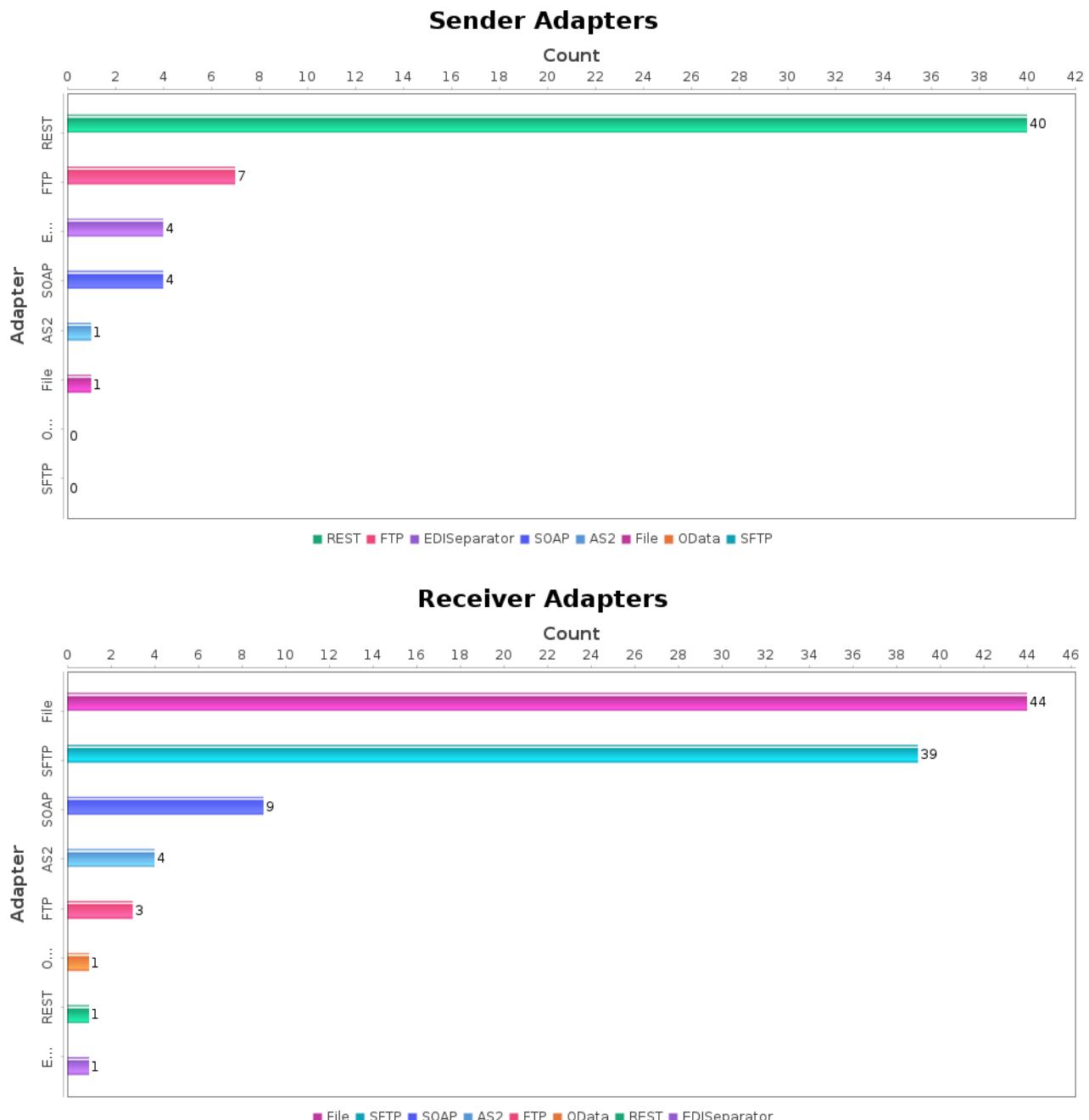
For a detailed overview of the recommendations applicable per integration scenario, see the .xlsx file available for download for the relevant evaluation run.

The following table provides an overview of the recommendations available for your integration scenarios.

Category	Integration Scenarios
Integration Style	23
Mapping	0
Monitoring & Operation	0
Protocol	37
Security	25

Adapter Type Summary

The following charts represent the number of sender and receiver channels, which are classified by adapter types.



Adapter	Sender	Receiver
AS2	1	4
OData	0	1
REST	40	1
FTP	7	3
EDISeparator	4	1
SFTP	0	39
SOAP	4	9
File	1	44
Total	57	102

Messages Processed in December 2024 (Top 10)

Integration Configuration	Number of Messages
Party_VAN VAN_Provider EDIBatchMessage http://sap.com/xi/B2B/Examples/ANSIX12	0
PIT_Sender SI_CreditManagementAccountRead_Outbound http://demo.sap.com/cm	0
WebShopClient SI_WebShopQuery_OB http://demo.sap.com/odata	0
PIT_Sender XiPatternInterface4 http://sap.com/xi/XI/System/Patterns	0
Supplier_ERP INVOIC.INVOIC02 urn:sap-com:document:sap:idoc:messages	0
PI_Internal_Party PI_Internal EDI_X12_997 http://sap.com/xi/B2B/Examples/ANSIX12	0
PI_Internal_Party PI_Internal EDIFACT_CONTRL http://sap.com/xi/B2B/Examples/ANSIX12	0
CBR_S02 SI_SalesOrder_Out http://pi-elevation.bootcamp.com	0
CBR_S01 SI_SalesOrder_Out http://pi-elevation.bootcamp.com	0
SND_C_TST SI_PersonReplicate_OB http://demo.sap.com/pit	0

Effort Estimation Summary

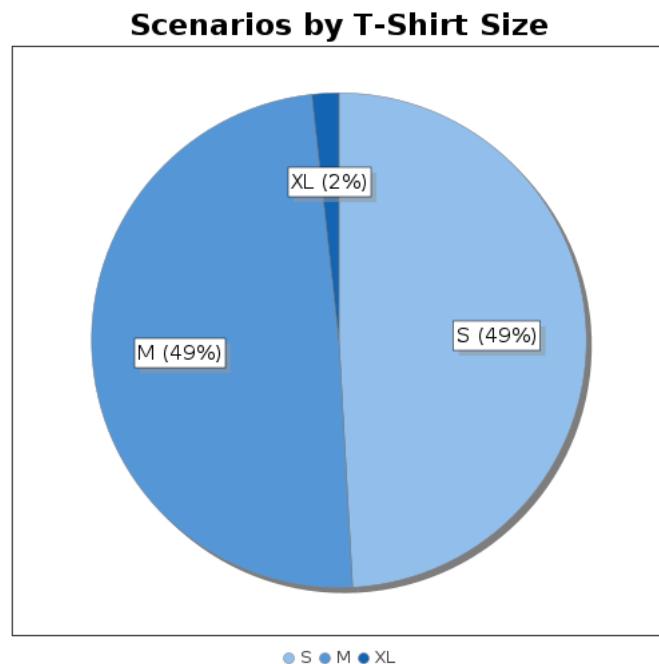
This section presents the effort required to migrate the integration scenarios to the SAP Integration Suite according to the sizing classification.

The estimation presented on this report is a rough estimate based on SAP's experience from previous migration projects and best practices. It includes the usage of the migration tool from SAP.

Please note that the estimation effort presented below only considers the technical migration from SAP Process Orchestration to the Integration Suite. The following aspects are not considered, although it is recommended to include those efforts based on your experience within your company:

- *Connectivity: For instance, tasks related to the technical user provisioning, SAP Cloud Connector installation (if applicable), system administration and firewall/network activities.*
- *Tests: For instance, tasks related to the integration test, regression test and acceptance test.*
- *Go-live: For instance, tasks such as cut-over and hyper care support.*

The effort estimations must be adjusted to your organization.



The repeatable factor is reducing the effort based on the consideration that in general a group of interfaces, from the same size, system or module are similar and therefore the migration of the subsequent interfaces is performed quicker than the first ones. Below is presented the ratios for the repeatable factor:

Number of Interfaces x T-shirt size	Learning Curve / Repeatable Factor
10 - 50	25%
51 - 100	27%
101 - 200	30%
201 - 500	33%
501 or more	35%

Interfaces of category "Ready to migrate" and "Adjustment required"

The following table shows the effort estimations for interfaces that were estimated successfully and were categorized as "Ready to migrate" or "Adjustment required"

Sizing Classification	Assessment Category	Min Effort (Hours)	Max Effort (Hours)	No. Integration Scenarios	Total Min Effort Required (Days)	Total Max Effort Required (Days)	Average Effort Required (Days)
Small (S)	Total	-	-	28	3.50	15.50	9.50
	Ready to migrate	1	4	22	2.75	11.00	7.00
	Adjustment required	1	6	6	0.75	4.50	2.75
Medium (M)	Total	-	-	23	11.50	29.00	20.25
	Ready to migrate	4	8	11	5.50	11.00	8.25
	Adjustment required	4	12	12	6.00	18.00	12.00
Large (L)	Total	-	-	0	0.00	0.00	0.00
	Ready to migrate	8	16	0	0	0	0
	Adjustment required	8	24	0	0	0	0
Extra Large (XL)	Total	-	-	0	0.00	0.00	0.00
	Ready to migrate	16	40	0	0	0	0
	Adjustment required	16	56	0	0	0	0
Sub Total	-	-	-	51	15.00	44.50	29.75
Repeatable Factor (Small)	-	-	-	25%	-0.75	-3.75	-2.25
Repeatable Factor (Medium)	-	-	-	25%	-2.75	-7.25	-5.00
Repeatable Factor (Large)	-	-	-	-	-	-	-
Repeatable Factor	-	-	-	-	-	-	-

Sizing Classification	Assessment Category	Min Effort (Hours)	Max Effort (Hours)	No. Integration Scenarios	Total Min Effort Required (Days)	Total Max Effort Required (Days)	Average Effort Required (Days)
(Extra Large)							
Total	-	-	-	51	11.50	33.50	22.50

Interfaces of category "Evaluation required"

The following table shows the effort estimations for interfaces that are categorized as "Evaluation required". These interfaces require further analysis to confirm the precision of any effort estimations. The numbers provided in the table only serve as initial indicators for planning purposes.

Sizing Classification	Assessment Category	Min Effort (Hours)	Max Effort (Hours)	No. Integration Scenarios	Total Min Effort Required (Days)	Total Max Effort Required (Days)	Average Effort Required (Days)
Small (S)	Evaluation required	4	8	0	0	0	0
Medium (M)	Evaluation required	8	16	5	5.00	10.00	7.50
Large (L)	Evaluation required	16	40	0	0	0	0
Extra Large (XL)	Evaluation required	40	80	1	5.00	10.00	7.50
Sub Total	-	-	-	6	10.00	20.00	15.00
Repeatable Factor (Small)	-	-	-	-	-	-	-
Repeatable Factor (Medium)	-	-	-	-	-	-	-
Repeatable Factor (Large)	-	-	-	-	-	-	-
Repeatable Factor (Extra Large)	-	-	-	-	-	-	-
Total	-	-	-	6	10.00	20.00	15.00

Migration Approach Recommendations

Analyze the integration scenarios according to the presented result and elaborate a migration plan considering the migration project, the systems involved, deadlines and integration development team. Leverage the migration tool to move the integration scenario. Analyze the interfaces that are categorized as "Evaluation required" and verify what aspects of these interfaces were identified as current limitations on the SAP Integration Suite. Check on possible solutions using the SAP Integration Suite documentation or Best Practices Guides. Also check out the roadmap to find out if and when potential limitations might be resolved.

In terms of implementation, the developer can use some reference templates on SAP Integration Suite, copy it and apply just the implementation logic that is required for that particular scenario (e.g., Sender, Receiver, Mappings).

This approach has the following advantages:

Accelerate the migration process leveraging the migration tool delivered by SAP

Developer can apply the best practices and implementation conventions for the scenarios where a re-design is required

Recommendation using Standard Content

Please note that the tool performs an As-Is assessment. The recommendation would be to check on SAP Business Accelerator Hub if there is an existing standard content which could be used instead of the SAP Process Orchestration integration scenarios.

Although there are several integration scenarios where standard content is been used in the SAP Process Orchestration system, please note that this will need to be evaluated to see if this can be used in the SAP Integration Suite. The content of the SAP Integration Suite is based on the new technology, overall, it performs the same function but is implemented differently. We would recommend checking if the standard content was modified in the SAP Process Orchestration system. This adjustment would also be required to be applied in the content of SAP Integration Suite.

Further Information

After this assessment, please see the below for further information on the SAP Integration Suite:

- [Migration Guide for SAP Process Orchestration](#)
- [Standard content at api.sap.com](#)
- [SAP Business Technology Platform](#)
- [SAP Business Technology Platform - SAP Community](#)
- [SAP Business Technology Platform Free-Tier and Trial Models](#)
- [Tutorial on how to get a free account on SAP BTP](#)
- [Comparing patterns on SAP Process Orchestration vs. SAP Integration Suite](#)
- [Moving content from SAP Process Orchestration to Integration Suite](#)
- [Integration flow design guidelines](#)

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