



ERP-767 Integration Process - Process Model integration Signavio to SAP Cloud ALM

Status	Approved
Owner	WENNINGER-ext, Sascha
Stakeholders	PETTIFORD-ext, owen HELME-ext, Alex
Jira Request ID	 ERP-754 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	 ERP-767 - Jira project doesn't exist or you don't have permission to view it.

High-Level Specification

Parameter	Value
Application System (Source)	SAP Signavio
Application System (Target)	SAP Cloud ALM
Source System Interface	Standard, native API
Target System Interface	Standard, native API
Business Process Reference	N/A - not modelled in a business process as this is a background interface used only for SyWay-internal work

Functional Overview

The functional design of the Integration Process defines both inbound and outbound interfaces. An integration defines a specific physical interaction that will need to occur between the system and an external application in response to some business event.

Scope and Objectives

This integration process implements a SAP-standard integration between Signavio and Cloud ALM that is used to publish business process models from Signavio into the Test Management function of Cloud ALM.

The integration is configured as per the [SAP documentation](#) and is performed as designed without any middleware components between the systems.

As CloudALM is used internally in the SyWay program, the integration is configured with the [Cloud ALM instance for SyWay](#).

Process Flow Diagram



Step	Description	Comment
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1	Signavio calls an API provided by Cloud ALM to publish the process model	The process must be initiated by a user in Signavio with the permissions to publish process models to Collaboration Hub.
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Assumptions

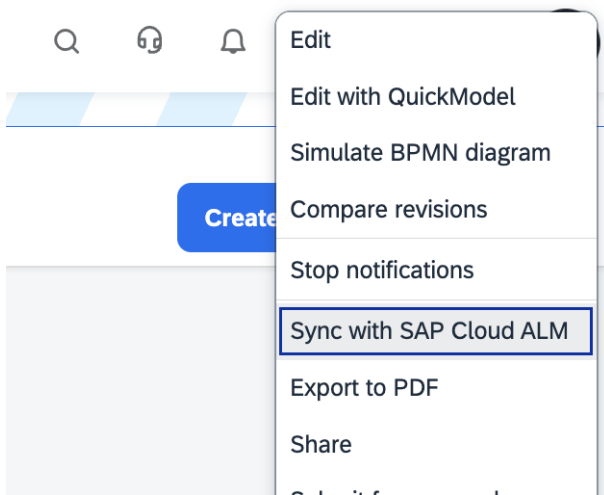
Automated publishing via Signavio Process Governance workflows is not required due to the limited scope of processes in scope for testing via Cloud ALM. Should Cloud ALM be used beyond Release 2 (pending SyWay Testing Approach), this decision may be revisited.

Dependencies

The integration requires the deployment of an API component via [SAP for Me](#), called the **connectivity add-on for SAP Signavio solutions**, as described in the [SAP documentation](#).

Security, Integrity and Controls

When manually syncing a business process model from Signavio to Cloud ALM, the user performing the synchronisation requires authorization to publish business process models in Signavio to the Collaboration Hub. Only for such users is the menu option 'Sync with Cloud ALM' available.



Once a business process model is synced, it is not possible to undo the synchronization. To break the synchronization, a model would need to be backed up in Signavio, then be deleted from both Signavio and Cloud ALM, before being restored from backup.

Synced diagrams cannot be edited in Cloud ALM. Any edit made through Signavio Process Manager creates a new revision of the model, which needs to be synced with Cloud ALM again.

Configuration Requirements

The integration is configured as per the [SAP documentation](#). There are no configuration options for the establishment of the connection, beyond those described in the aforementioned document.

Automatic publishing of process models is supported via Signavio Process Governance, but as of the time of writing, this is not configured nor required because Cloud ALM is used only for testing Release 2 scope, whose scope is only 12 processes which can easily be managed manually.

Special Requirements

The synchronisation from Signavio only supports BPMN models (i.e. Level 3/4 models). Value Chain diagrams (used for Levels 1 & 2 as per the [Business Process Modelling Standard](#)), are not supported to be synchronised to Cloud ALM.

As of the time of writing, only L4 processes are required in Cloud ALM, and thus this limitation does not present any challenges.

Design Rationale

This integration is configured as per SAP's documentation for this standard integration.

Data Structure

Source Structure

The following fields will be used to provide the required information for this interface:

Field	Description
N/A	SAP STANDARD

Target Structure

The following fields will be used to provide the required information for this interface:

Field	Description
N/A	SAP STANDARD

Mapping and Calculation

N/A

Processing Logic

Processing within Source

N/A

Processing within Middleware

N/A

Processing within Target

Cloud ALM does not support all object types in BPMN models created in Signavio. Exceptions are documented in the [SAP Help](#).

Interface Dependency

None

Interface Constraints

Cloud ALM does not support all object types in BPMN models created in Signavio. Exceptions are documented in the [SAP Help](#).

Delivery Requirements

Delta or Full Load Requirements

Synchronization happens one process model at a time, triggered manually by an administrator in Signavio.

Interface Alert & Monitoring

This is a synchronous interface initiated by a user. Any errors during the process are surfaced to the user triggering the integration from the Signavio UI.

Synchronization logs are available via the Signavio Reporting tab, as described [here](#).

Interface Reporting

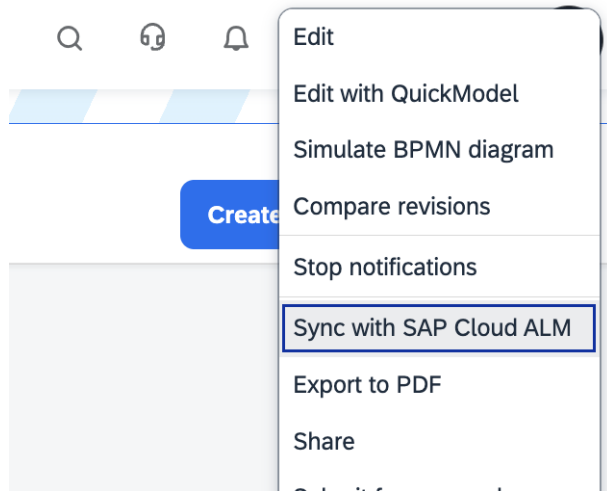
None

Language Requirements

N/A

User Interface Requirements

The synchronization is triggered from the Signavio Collaboration Hub using a menu option available via the [...] button on a BPMN model:



Volumetrics

Triggered ad-hoc. Volumes are limited by the total number of BPMNs available in Signavio, which is planned to be fewer than 20 for Release 2, or 750 for Release 4.

Performance Consideration

Since the interface is triggered by a user in the Signavio UI, wait times for the interface to succeed or fail should be lower, and in the order of 5-10 seconds in order to avoid inconveniencing the Signavio user.

Error Handling

This is a synchronous interface initiated by a user. Any errors during the process are surfaced to the user triggering the integration from the Signavio UI.

Synchronization logs are available via the Signavio Reporting tab, as described [here](#).

Testing

How to Test

Since both Signavio and Cloud ALM have only productive instances, any testing has to be performed in Production.

This can be easily done by creating a new, temporary business process model using the BPMN standard, and then publishing it to Cloud ALM. The model can be deleted once publishing has been confirmed in Cloud ALM.

Test Conditions and Expected Results

ID	Condition	Expected Results
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1	Create a new business process model using the BPMN format.	
2	From the Collaboration Hub, click on the model's context button and trigger the synchronization to Cloud ALM, confirming at the dialog that appears.	The synchronisation is successful.

Test Considerations/Dependencies

Since testing must be performed in production, any temporary models created and published in the course of testing must be deleted.

Other Information

Development Details

Package

Package Name	Parent Package

Other Development Objects

Object Type	Object Name	Purpose/High Level Logic	Design Rationale Reference

See also

SAP Help documentation:

- [describing the setup of the integration](#)
- [triggering the synchronisation of individual processes](#)
- [Supported BPMN objects, and exceptions](#)

File	Modified
File -ERP-767 flow.tmp draw.io Draft	Oct 28, 2025 by WENNINGER-ext, Sascha
File ERP-767 flow draw.io diagram	Oct 28, 2025 by WENNINGER-ext, Sascha

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Change log

Version	Published	Changed By	Comment
CURRENT (v. 8)	Nov 13, 2025 07:24	WENNINGER-ext, Sascha	
v. 7	Nov 12, 2025 14:40	MCARTHUR-ext, Richard	
v. 6	Oct 30, 2025 12:26	WENNINGER-ext, Sascha	
v. 5	Oct 29, 2025 01:06	MCARTHUR-ext, Richard	

v. 4	Oct 29, 2025 01:00	MCARTHUR-ext, Richard
v. 3	Oct 28, 2025 17:11	WENNINGER-ext, Sascha
v. 2	Oct 28, 2025 17:09	WENNINGER-ext, Sascha
v. 1	Oct 28, 2025 12:15	WENNINGER-ext, Sascha

Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Nov 13, 2025	Actor	Type	Activity	Version
Approved	WENNINGER-ext, Sascha	Edit	updated the page at 7:24 am	
		State	changed state to Approved at 6:24 am	v8
Edited following Approval	WENNINGER-ext, Sascha	State	gave <i>Minor change</i> approval at 6:24 am	
			<i>applying updated template</i>	
Nov 12, 2025				
	 MCARTHUR-ext, Richard	Edit	updated the page at 2:40 pm	
		State	changed state to Edited following Approval at 1:40 pm	v7
Oct 30, 2025				
Approved	WENNINGER-ext, Sascha	State	changed state to Approved at 12:43 pm	v6
Lead Approval	WENNINGER-ext, Sascha	State	gave <i>POD Lead Review</i> approval at 12:43 pm	
		State	changed expiry date to '06 Nov, 2025 12:43 pm' at 12:43 pm	
		State	changed state to Lead Approval at 12:43 pm	v6