

# **Workday Integration with SAP Signavio Process Intelligence Configuration Guide**

For SAP Integration Suite

Version 1.0.0

## Contents

1	Prepackaged Content Introduction .....	2
1.1	Introduction.....	2
1.2	Coding Samples.....	2
1.3	Internet Hyperlinks .....	2
1.4	Overview.....	2
2	Preparing the Systems for Integration.....	3
2.1	Prerequisites .....	3
2.2	Access Requirements.....	3
2.3	Authorization Requirements.....	3
2.4	Adapter Installation .....	3
3	Workday to SAP Signavio Process Intelligence Content Configuration .....	4
3.1	Configuration in Workday .....	4
3.2	Configuration in SAP Signavio Process Intelligence .....	4
3.3	Value Mapping Configurations .....	4
3.3.1	Workday to SAP Signavio Process Intelligence - Service Input Table.....	4
3.3.2	Workday to SAP Signavio Process Intelligence - Service Start Date Value Mapping .....	5
3.3.3	Workday to SAP Signavio Process Intelligence Tables – Fieldname Datatype Value Mapping .....	5
3.4	Configuration in SAP Integration Suite .....	6
3.4.1	Configuring Integration flows: Workday Integration with SAP Signavio Process Intelligence.....	6
3.4.1.1	Workday to SAP Signavio Process Intelligence - Create Tables.....	6
3.4.1.2	Workday to SAP Signavio Process Intelligence Service Replication .....	9
3.4.1.3	Parameter Descriptions .....	11
4	Deploying the Integration Content.....	14
5	Running the Content.....	15
6	Appendix .....	16
6.1	API activation in SAP Signavio Process Intelligence.....	16
6.2	Creating Integration System User in Workday .....	20
7	References.....	21

# 1 Prepackaged Content Introduction

## 1.1 Introduction

This document provides an overview of the artifacts delivered as part of the Workday Integration with SAP Signavio Process Intelligence Configuration Guide. The document discusses the common configuration steps needed before deploying the Integration Flows within the package. Read this guide carefully before configuring the integration content.

## 1.2 Coding Samples

Any software coding and/or code lines/strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules of certain coding. We do not warrant the correctness and completeness of the Code given herein.

## 1.3 Internet Hyperlinks

The documentation may contain hyperlinks to the Internet. These hyperlinks are intended to serve as a hint about where to find related information. We do not warrant the availability and the correctness of this related information or the ability of this information to serve a particular purpose.

## 1.4 Overview

This Integration Package is designed to facilitate and streamline the replication of Workday Services with SAP Signavio Process Intelligence, ensuring seamless data synchronization between the two platforms. The package offers robust support for replicating key services from Workday to SAP Signavio Process Intelligence, enabling businesses to manage and analyze their data efficiently.

You can customize this process as per business requirements by making adjustments for different components, including adjustments to:

- Integration flow externalized parameters,
- SAP Signavio Process Intelligence setup,
- Value Mappings to modify services as per requirement.



If you make modifications to the original integration flows in this package, subsequent developer updates to the package might not reflect as intended. Therefore, consider this while altering any content.

# 2 Preparing the Systems for Integration

## 2.1 Prerequisites

To configure the integration content using this guide, you need to have access and authorizations to the systems listed below.

## 2.2 Access Requirements

- Workday System Details
- SAP Integration Suite Tenant Details
- SAP Signavio Process Intelligence System Details

## 2.3 Authorization Requirements

- Workday System Details
- SAP Integration Suite Tenant Details.
  - AuthGroup.IntegrationDeveloper
- SAP Signavio Process Intelligence System
  - Appropriate authorizations to connect to the SAP Signavio Process Intelligence System.

## 2.4 Adapter Installation

Installing the Workday adapter for the SAP Integration Suite is a prerequisite to using this Integration Package.

For more information about the Workday Adapter, refer to this link [Workday Adapter for SAP Integration Suite](#).

For information about Adapter installation, see [Consuming Integration Adapters from SAP Business Accelerator Hub](#).

# 3 Workday to SAP Signavio Process Intelligence Content Configuration

Workday , SAP Signavio Process Intelligence, and SAP Integration Suite need to be configured and prepared before the integration content package can be configured and deployed.

## 3.1 Configuration in Workday

Before using Workday, several parameters need to be configured for your Workday Receiver Adapter.

You need to configure the **Connection** and **Processing** tabs.

For more information, see [Workday Adapter for SAP Integration Suite](#).

## 3.2 Configuration in SAP Signavio Process Intelligence

You are required to ensure activation of Ingestion API in SAP Signavio Process Intelligence. Activating the Ingestion API by creating a connection to SAP Integration Suite allows data transfer from an integration flow in SAP Integration Suite to SAP Signavio Process Intelligence for potential Process Mining activities.

For more information, see [API activation in SAP Signavio Process Intelligence](#).

## 3.3 Value Mapping Configurations

As part of the integration content package, you are provided the following pre-configured Value Mappings:

### 3.3.1 Workday to SAP Signavio Process Intelligence - Service Input Table

A list of services to be extracted from Workday.



You can add new Service names, however for execution ensure you make the required modifications in the relevant integration flows.

The Services present in the package include:

Workday, Service
Get_Application_Request
Get_Candidates_Request
Get_Interviews_Request
Get_EmployeeContract_Request
Get_Workers_Request
Get_Job_Family_Groups_Request
Get_Job_Requisitions_Request

### 3.3.2 Workday to SAP Signavio Process Intelligence - Service Start Date Value Mapping

This mapping table contains the execution StartDate for each service in the Service Input Table.

Example: StartDate for the Candidates service.

Workday, ServiceName	Signavio, StartDate
Get_Candidates_Request	2020-01-01T14:44:07

### 3.3.3 Workday to SAP Signavio Process Intelligence Tables - Fieldname Datatype Value Mapping

This table contains a service-wise list of field names and data type mappings for the data to be populated in the SAP Signavio Process Intelligence target table.

**Example:** Fieldnames and Datatypes for Table\_Candidate in SAP Signavio Process Intelligence.

Table_Candidate, Fieldname	Table_Candidate, Datatype
Candidate_ID	string
Currently_Work_Here	boolean
Level_Reference	long
Source_Reference	string



You must configure this list to add additional fields if required. For execution ensure you make the modifications needed in the relevant mappings.

## 3.4 Configuration in SAP Integration Suite

This section discusses Integration flow settings, prerequisites, parameters of the Sender and Receiver systems, and other details specific to each integration flow.

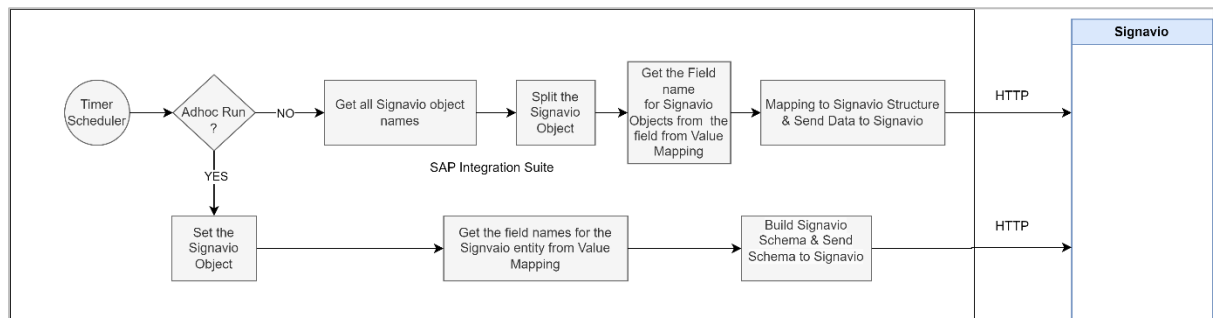
To work with the integration flows of this package, copy the prepackaged integration flow scenario to your workspace. Then configure the integration flows. Finally, to activate the integration flows, deploy them.

### 3.4.1 Configuring Integration flows: Workday Integration with SAP Signavio Process Intelligence

This section contains configuration details for integration flows under Workday Integration with SAP Signavio Package.

#### 3.4.1.1 Workday to SAP Signavio Process Intelligence - Create Tables

This integration flow is a one-time preparatory step before the actual service replication. A high-level flow is given below.



This is to create target tables for the services that are replicated from Workday to SAP Signavio Process Intelligence.



It is recommended to allow at least 15 minutes for this integration flow to execute before the service replication integration flow is triggered.

## Purpose

To review the configuration parameters of the integration flow - **Workday to SAP Signavio Process Intelligence - Create Tables**.

## Procedure

1. Open **Workday to SAP Signavio Process Intelligence - Create Tables** integration flow and click on configure.
2. Click on the **Timer** tab to review (or modify if needed) scheduling parameters.

Configure "Workday to SAP Signavio Process Intelligence - Create Tables"

Timer: Start Timer [StartEvent\_28769097]

Run Once

Schedule on Day

Schedule to Recur

Advanced

Schedule to Recur

Daily

On Time

Every

Time Zone


10:04 AM

1 min

Between 00:00 and 01:00

( UTC 0:00 ) Greenwich Mean Time(Etc/GMT)

- **Run Once:** The integration flow will be executed only once and can be used for the initial load.
- **Schedule on Day:** integration flow will be executed on a specific date/time.
- **Schedule on Recur:** The integration flow will be executed at a regular interval and will replicate the changes from the source system to the target system (suggested mode).

 By default, the integration flow has been configured to **Run Once**.

For more information about Scheduling, see [Configuring Timer](#).

3. Click on the **Receiver** tab to review (or modify if needed) connection parameters. For parameter-specific descriptions, see [Parameter Descriptions](#).

Configure "Workday to SAP Signavio Process Intelligence - Create Tables"

Timer Receiver **More**

**Connection**

Receiver: Mail

Adapter Type: Mail

Address: [Redacted]

Proxy Type: Internet

Timeout (in ms): 30000

Protection: STARTTLS Optional

Authentication: Plain User/Password

Credential Name: GmaiCredExcep

**Processing**

From: [Redacted]

To: [Redacted]

Cc: [Redacted]

- Switch to the **More** tab to view execution options for creating objects in SAP Signavio Process Intelligence. For parameter-specific descriptions, see [Parameter Descriptions](#).

Configure "Workday to SAP Signavio Process Intelligence - Create Tables"

Timer Receiver **More**

Type: All Parameters

AdhocService: [Redacted]

EnableMailNotification: TRUE

ExceptionLogging: TRUE

IflowName: Workday to SAP Signavio Process Intelligence - Create Tables

IflowPackageName: Workday Integration with SAP Signavio Process Intelligence

ReceiverBodyLogging: TRUE

ReceiverHeaderLogging: [Redacted]

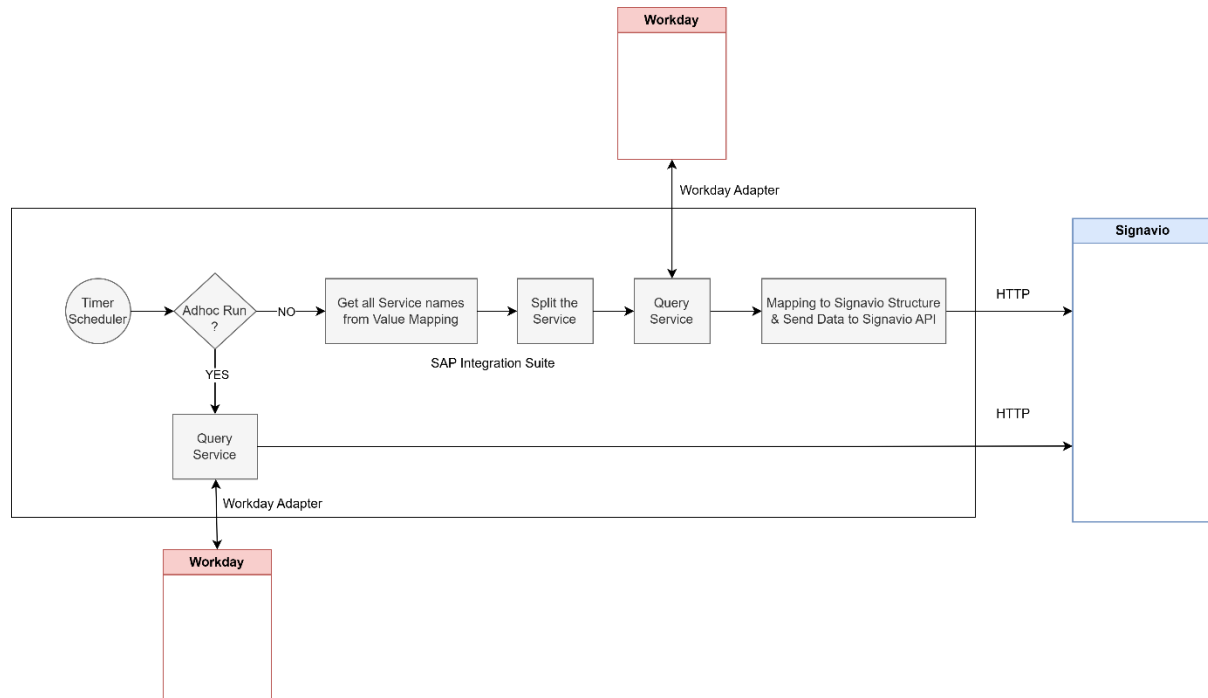
ReceiverPropertyLogging: [Redacted]

SecurityMaterial: [Redacted]

Transaction Handling: Not Required

### 3.4.1.2 Workday to SAP Signavio Process Intelligence Service Replication

This integration flow replicates services from Workday to SAP Signavio Process Intelligence. A high-level overview is provided below.

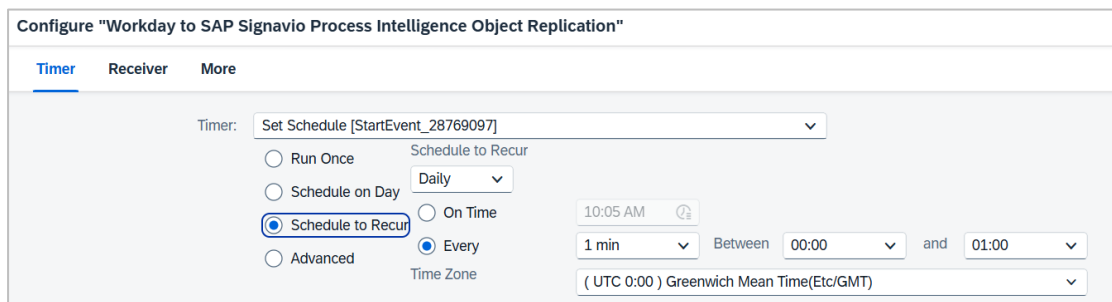


#### Purpose

To review the configuration parameters of the integration flow - **Workday to SAP Signavio Process Intelligence Service Replication**.

#### Procedure

1. Open **Workday to SAP Signavio Process Intelligence Service Replication** integration flow and click on Configure.
2. Click on the **Timer** tab to review (or modify if needed) scheduling parameters.



- **Run Once:** The integration flow will be executed only once and can be used for the initial load.
- **Schedule on Day:** integration flow will be executed on a specific date/time.
- **Schedule on Recur:** The integration flow will be executed at a regular interval and will replicate the changes from the source system to the target system (suggested mode).



You can modify the **Timer** configurations based on your scenario and landscape.

For more information about Scheduling, see [Configuring Timer](#).

3. Click on the **Receiver** tab to review (or modify if needed) connection parameters. For parameter-specific descriptions, see [Parameter Descriptions](#).

**Configure "Workday to SAP Signavio Process Intelligence Object Replication"**

**Timer**   **Receiver**   **More**

---

**Connection**

Receiver:

Adapter Type:

Address:

Authentication:

Timeout (in ms):

Throw Exception On Failure:

Attach Error Details on Failure:

4. Switch to the **More** tab to view execution options for ingesting entities into SAP Signavio Process Intelligence. For parameter-specific descriptions, see [Parameter Descriptions](#).

**Configure "Workday to SAP Signavio Process Intelligence Service Replication"**

Timer Receiver **More**

Type: All Parameters

AdhocService:

Adhoc\_StartDate: 2020-01-01T14:44:07

EnableMailNotification: TRUE

ExceptionLogging: TRUE

IflowName: Workday to SAP Signavio Process Intelligence - Service Replication

IflowPackageName: Workday to SAP Signavio Process Intelligence Service Replication

LogSummaryReport: TRUE

ReceiverBodyLogging: TRUE

ReceiverHeaderLogging:

ReceiverPropertyLogging:

RecordsPerPage: 300

Run Interview: TRUE

Run JobFamily: TRUE

SAP CI System Timezone: Asia/Kolkata

SecurityMaterial:

SourceBodyLogging: TRUE

SourceHeaderLogging:

SourcePropertyLogging:

Transaction Handling: Not Required

UpdateLastRunVariable: TRUE


Workday System Timezone: America/Los\_Angeles

WorkdayVersion: v34.2

### 3.4.1.3 Parameter Descriptions

- For parameters related to resource loads, you can configure the following parameters:

Field	Description
Adhoc_StartDate	Set a date for an adhoc execution. Syntax: YYYY-MM-DD'T'HH:mm:ss Example: 2020-01-01T14:44:07
UpdateLastRunVariable	If the value is set to TRUE, the last run date is saved at the integration flow level. Acceptable values: TRUE, FALSE.
AdhocService	Specify a service for which integration flow needs to be triggered <ul style="list-style-type: none"> <li>Service creation on an ad-hoc basis</li> <li>Service replication on an ad-hoc basis</li> </ul> Example: Get_Candidates_Request

Field	Description
	 Only a single service can be specified at a time.
Workday System Timezone	Specify the timezone of the Workday system. Example: America/Los_Angeles
SAP CI System Timezone	Specify the timezone of the SAP Cloud Integration tenant. Example: Asia/Kolkata
RecordsPerPage	Specify the records to be fetched per page.

- For Logging and Email notifications, you can configure the following parameters:

Field	Description
ReceiverBodyLogging	Specify TRUE to log the payload (Not recommended in a live environment). Possible values: TRUE, FALSE. Use FALSE as a default value.
ExceptionLogging	Specify TRUE to log the exception (Not recommended in a live environment). Possible values: TRUE, FALSE. Use FALSE as a default value.
ReceiverHeaderLogging	Specify TRUE to log the message header (Not recommended in a live environment). Possible values: TRUE, FALSE. Use FALSE as a default value.
ReceiverPropertyLogging	Specify TRUE to log the message property (Not recommended in a live environment). Possible values: TRUE, FALSE. Use FALSE as a default value.
SourceHeaderLogging	Specify TRUE to log the source header. Possible values: TRUE, FALSE. Use FALSE as a default value.
SourcePropertyLogging	Specify TRUE to log source property. Possible values: TRUE, FALSE. Use FALSE as a default value.

Field	Description
SourceBodyLogging	Specify TRUE to log the source body.  Possible values: TRUE, FALSE. Use FALSE as a default value.
LogSummaryReport	It generates a summary regarding processed entities and execution queries.
EnableMailNotification	In case the value is set to TRUE, the integration flows will send a notification to the email address specified in the To field configured in the mail adapter. The notification is sent in case an exception occurs.  Possible values: TRUE, FALSE

- For fields related to integration flow descriptions, you can configure the following parameters:

Field	Description
Iflowname	Specify a description for the integration flow name.
Iflowpackagename	Specify a description of the related integration flow packages.
Security Material	Specify the security artifact representing the user credentials.

- For other important parameters related to SAP Integration Suite configuration, refer to the below fields:

Field	Description
CI Tenant Address	Specify the hostname of your Cloud Integration tenant.  Example: <a href="https://&lt;yourhost&gt;.hana.ondemand.com">https://&lt;yourhost&gt;.hana.ondemand.com</a>
Credential Name	Specify the credential created to connect to the Cloud Integration Tenant.  You must create this artifact as a security credential.

# 4 Deploying the Integration Content

After ensuring the integration flows are configured to your requirements, you must deploy all the objects contained in the package. However, the correct order of deployment must be followed to avoid errors.

## Purpose

To deploy the contents of **Workday Integration with SAP Signavio Process Intelligence** integration package.

## Procedure

1. Deploy Workday and SAP Signavio Process Intelligence credentials from **Security Material**. For more information, see [Appendix](#).
2. Deploy the value mappings listed under [Value Mapping Configurations](#).
3. Deploy integration flow listed under [Workday to SAP Signavio Process Intelligence - Create Tables](#).
4. Deploy all Integration Flows under the package Workday Integration with SAP Signavio Process Intelligence.



Services such as **Job Family** and **Interview** do not support delta loads; only full loads can be performed during service replication. Ensure that the parameters **Run JobFamily** and **Run Interview** are set to **TRUE**.

After the deployment of the above assets, you can now run the integration flows.

# 5 Running the Content

## Purpose

To execute the integration flows in the **Workday Integration with SAP Signavio Process Intelligence** integration package.

## Procedure

1. Run **Workday to SAP Signavio Process Intelligence - Create Tables** as a one-time step to create tables in SAP Signavio Process Intelligence.
2. Run delta or initial loads from specific dates for all services by executing **Workday to SAP Signavio Process Intelligence Service Replication**. You can execute the the iflow by configuring the parameters mentioned below:
  - a. For an ad-hoc run of a specific service, the service name can be specified in **AdhocService**, and the **Adhoc\_LastModifiedDate** can be modified with the updated start dates to fetch the data from a specific date.
  - b. For a complete run of all the services, modify the start dates configured in the value mapping to fetch the data for all services.




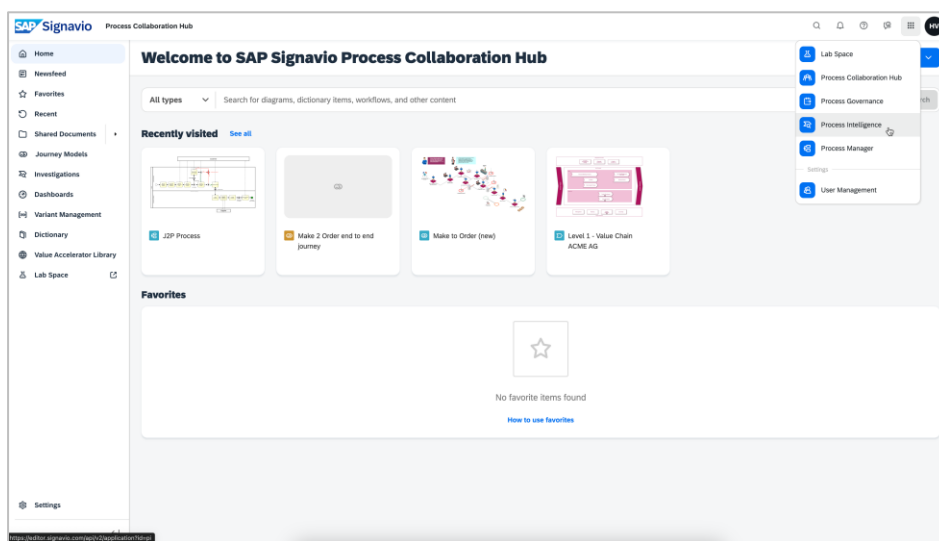
Ensure that you have set **UpdateLastRunVariable** to **FALSE** for your ad-hoc loads to avoid conflict with your scheduled runs.

# 6 Appendix

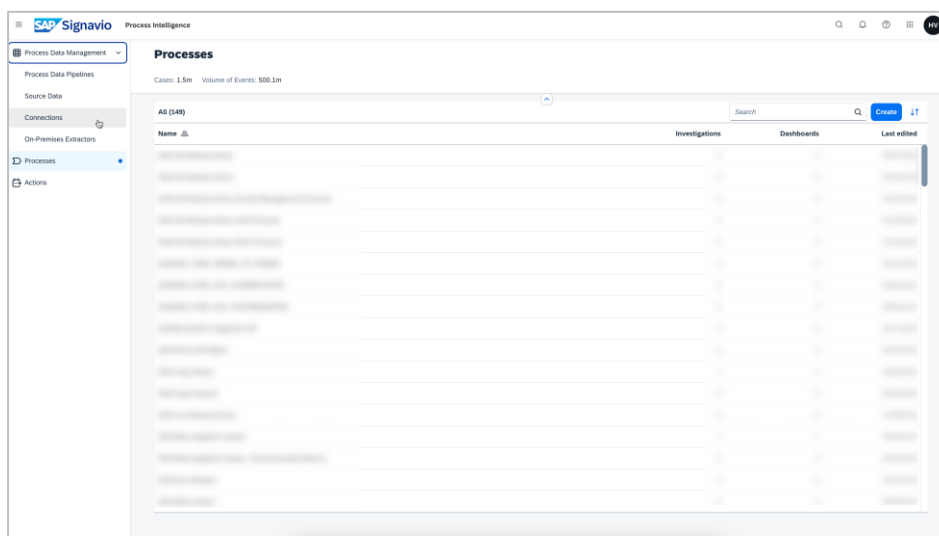
## 6.1 API activation in SAP Signavio Process Intelligence

### Procedure

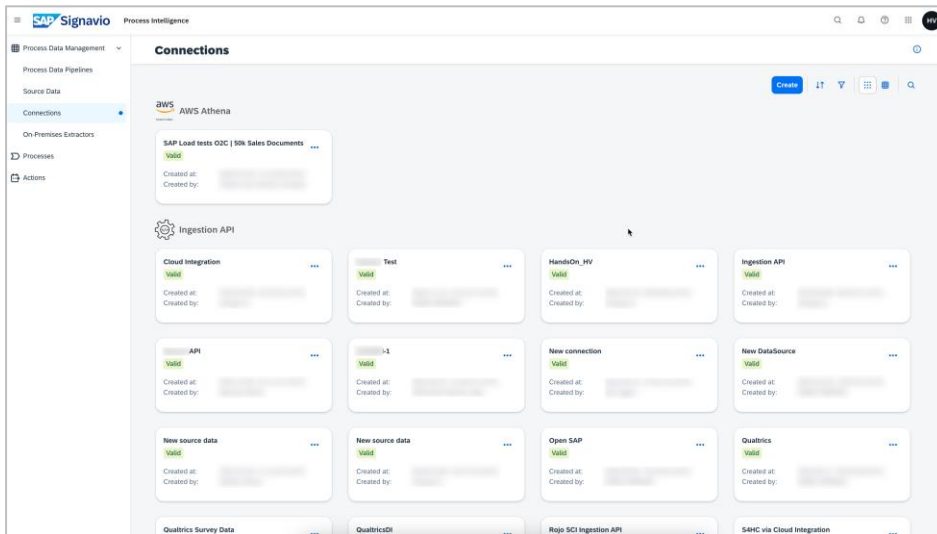
1. On the SAP Signavio Process Intelligence workspace, Click  on the top right and select **Process Intelligence** from the dropdown.



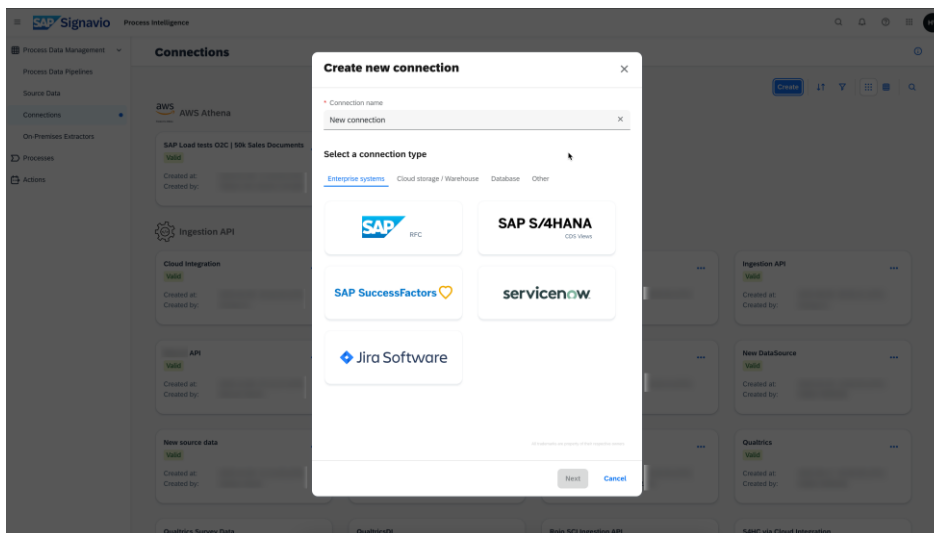
2. Select **Connections** under **Process Data Management** from the left side menu bar.



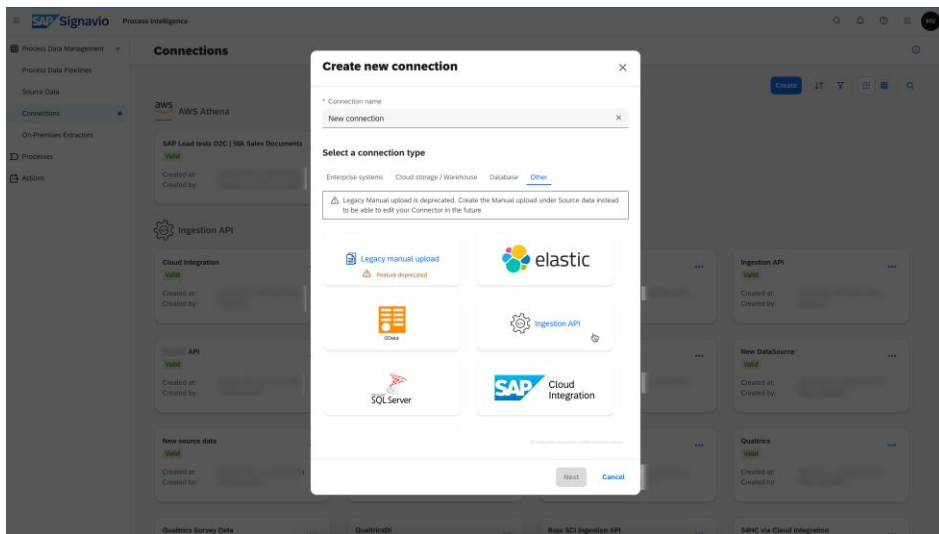
3. Under **Connections**, Click **Create**.



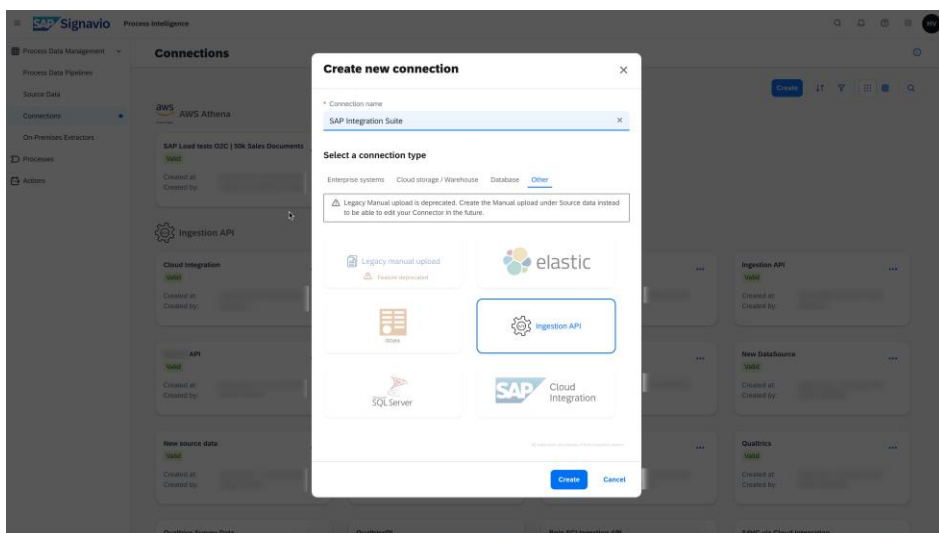
4. A **Create new Connection** window pops up.



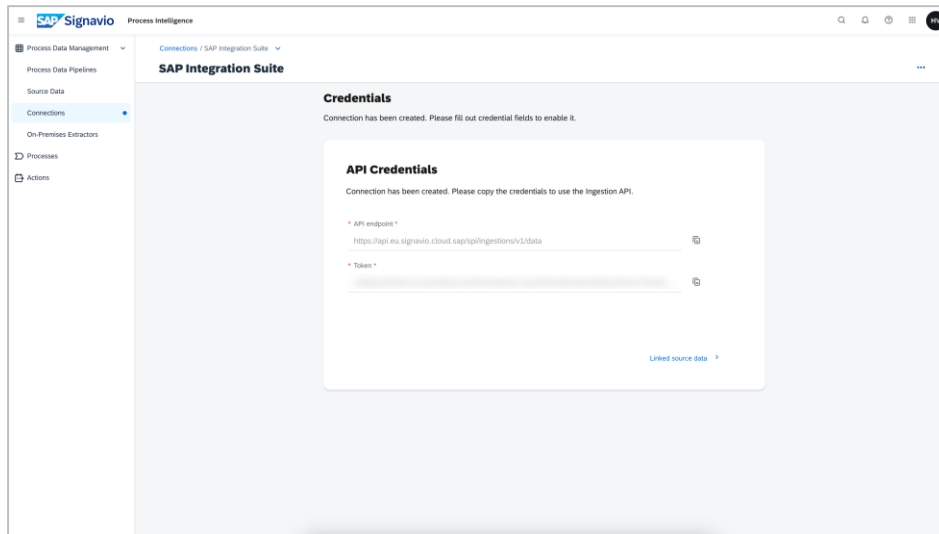
5. Switch to the **Other** and select the **connection** type as **Ingestion API**.



6. Finally, provide a **Connection name** and Click **Create** to finish the process.



7. A confirmation message reads “A new connection has been created”.



You can note the following details to be used later:

- The API endpoint for your specific tenant. The URL of the endpoint can vary based on the region your SAP Signavio Process Intelligence workspace is hosted in.
- Ingestion API Token that is required during configuration for SAP Integration Suite. You must add the above token as a **Secure Parameter** in **Security Material**.

For further information on the ingestion API, check out the official SAP Signavio Process Intelligence Ingestion API documentation.

## 6.2 Creating Integration System User in Workday

To connect SAP Cloud Integration to Workday, an integration user must be created in Workday.

For more information, see Section 4 of [Workday Adapter for SAP Integration Suite](#).

# 7 References

For more information on connecting and authenticating against the adapters used in this integration content, refer to the following links:

- [Mail Receiver Adapter](#)
- [Workday Receiver Adapter](#)
- [HTTP Receiver Adapter](#)