

How To Get Started Guide

ASAPIO Integration Add-on

November 22nd, 2023

Checklist

These are the steps you need to do to get the SAP system set up for the workshop.

- ☐ Installed the framework transport (ERDK904462)
- ☐ Installed the Solace connector package (ERDK904501)
- ☐ Activated BC-Set
- ☐ Installed the preconfigured content (ERDK904593)
- ☐ Added necessary roles to WF-BATCH / SAP_WFRT
- ☐ Adapted the RFC destinations

Follow the steps below to complete the checklist.

Base Configuration

Download and import into your SAP system from here:

<https://asapio.freshdesk.com/discussions/topics/14000020247>

1. Framework (Only if this is your first connector): **(ERDK904462)**
2. Connector to Solace: **(ERDK904501)**

Import configuration

3. Activate BC-Set:
 - Transaction: **SCPR20**
 - BC-Set: **/ASADEV/ACI_BCSET_FRAMEWORK_AEM**
 - Activate with default settings
4. Additional transport with preconfigured content: **(ERDK904593)**
<https://asapio.freshdesk.com/support/discussions/forums/14000131371>

Add Roles and Authorizations to your SAP User and SAP Workflow User.

5. At least one SAP-User will need the administrator role to use the ASAPIO Monitor etc.: **/ASADEV/ACI_ADMIN_ROLE**
6. Technical / system user like "WF-BATCH" or "SAP_WFRT" will need role:
/ASADEV/ACI_JOB_ROLE
https://asapio.com/docs/installation/#roles_and_authorizations

Note: If you don't know your technical system user then go to transaction SWU3 --> Maintain Runtime Environment --> Configure RFC Destination. This needs to be generated and on the right side it will show you the technical system user.

Automatic Workflow Customizing

Check Event Linkages

- ✓ Maintain Runtime Environment
 - ✓ **Configure RFC Destination**
 - ✓ Maintain Workflow System Administrator
 - ✓ Maintain Active Plan Version
 - ✓ Classify Decision Task as General
 - ✓ Document Generation/Form Integration
 - ✓ Maintain Time Units
 - ✓ Schedule Background Job for Workflow Deadline Monitoring
 - ✓ Schedule Background Job for Work Items with Errors
 - ✓ Schedule Background Job for Condition Evaluation
 - ✓ Schedule Background Job for Event Queue
 - ✓ Schedule background job for clearing report
- ✗ Maintain Definition Environment
- ✓ Maintain Additional Settings and Services
- ✓ Classify Tasks as General
- ✗ Guided Procedures

Configure RFC Destination

Component
SAP_BASIS: SAP Business Workflow/WebFlow

Execution
Automatic/Manual

Function
The workflow runtime system always carries out its tRFC (tr the logical destination WORKFLOW_LOCAL_XXX (xxx stands the client).

The workflow runtime system only operates within one client logical destination, the system-wide uniqueness of this nam

If you execute this activity automatically, the logical RFC de WORKFLOW_LOCAL_XXX is created (if not yet available). Thi use WF-BATCH system user).

If you belong to the user group SUPER and the user WF-BA created and automatically receives the maximum authorizat

Steps required to establish connectivity (Usually done by the SAP BASIS Team)

7. Create RFC destinations

Create a new RFC destination of type "G" (HTTP Connection to External Server).

- Transaction: **SM59**
- Create new destination of type "G"
- Specify Target Host and Service No. (Port): endpoint for the SAP Advanced Event mesh

RFC Destination ACI_ADVANCED_EM

Connection Test

RFC Destination: ACI_ADVANCED_EM

Connection Type: G HTTP Connection to External Serv Description

Description

Description 1: SAP Advanced EventMesh

Description 2:

Description 3:

Administration Technical Settings Login & Security Special Options

Target System Settings

Target Host: mr-ud0mj6ykvj.messaging.solace.cloud Service No.: 9443

Path Prefix:

HTTP Proxy Options

Global Configuration

Proxy Host:

Proxy Service:

Proxy User:

Proxy PW Status: is initial

- Credentials or certificates for authentication can be specified on tab Logon & Security:

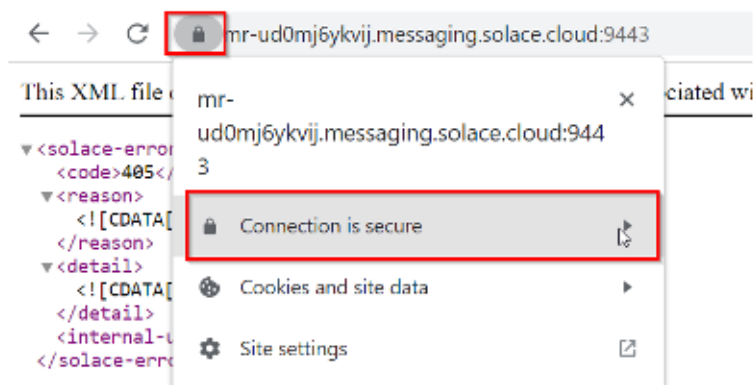
When activating SSL please ensure that the necessary certificates are in the selected Certificate List (keystore) in your SAP system.

To get the necessary certificates for the https/SSL connection you can follow the next section to download them via your browser.

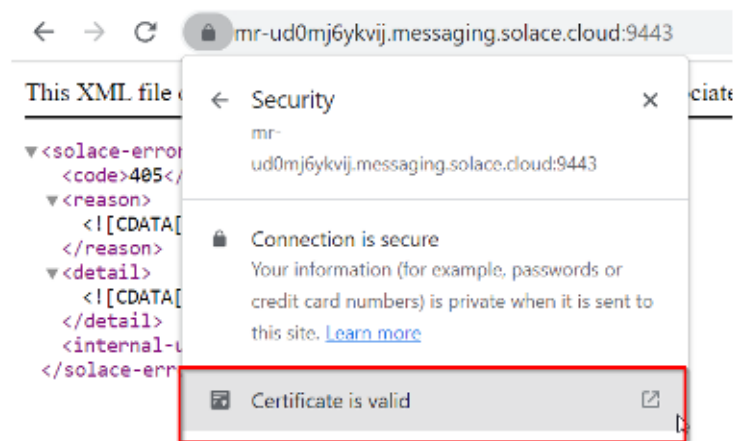
Browser specific way to get a certificate.

Note: This is just one option to get a certificate.

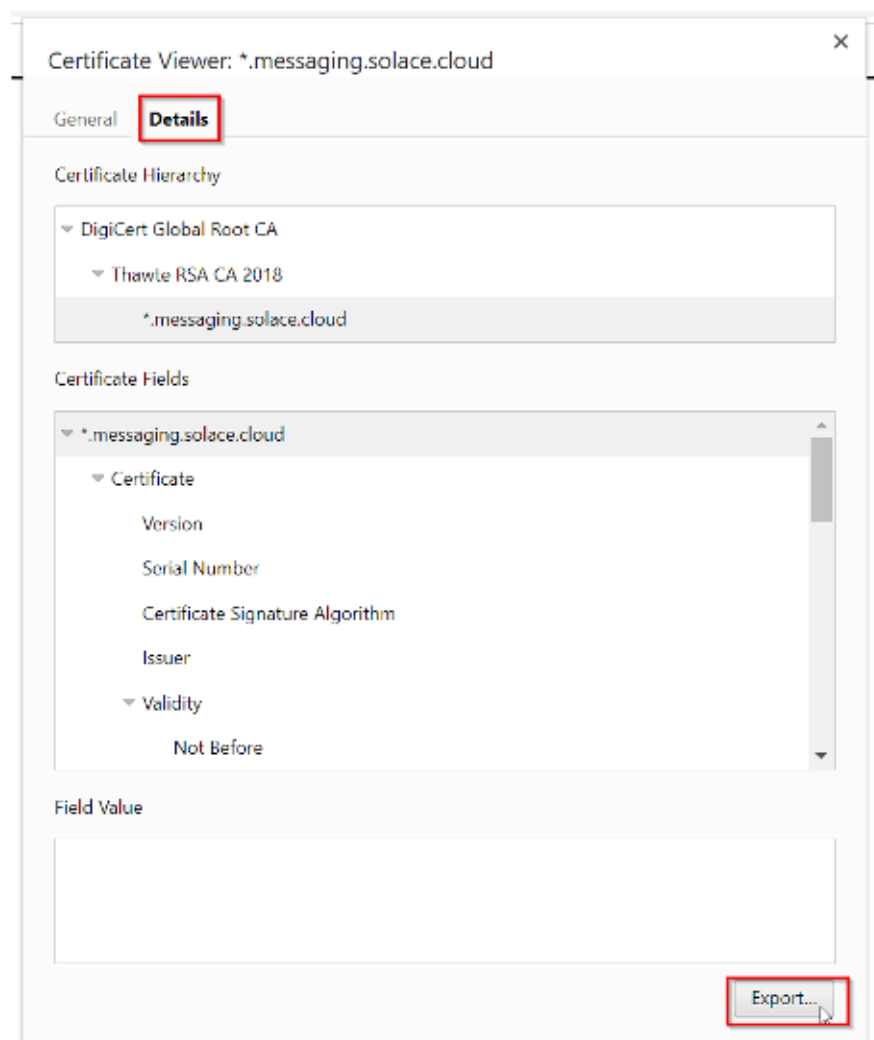
Open your endpoint that is used in SM59 with your browser (here we used Google Chrome) and click on the padlock -> Connection is secure.



Click on Certificate is valid.



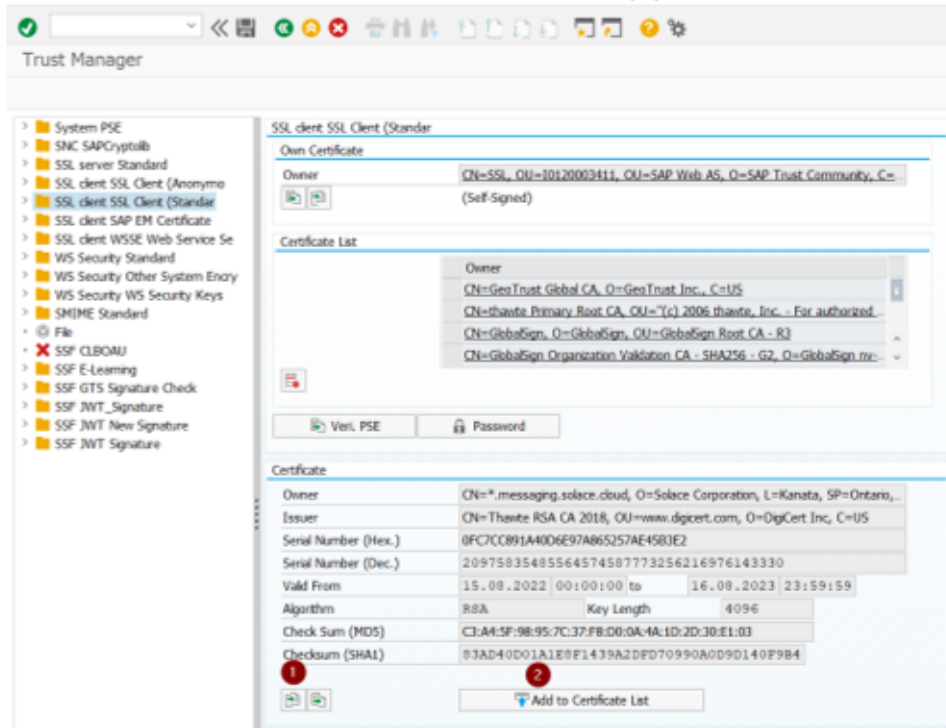
Go to the Details tab and export the file to save it.



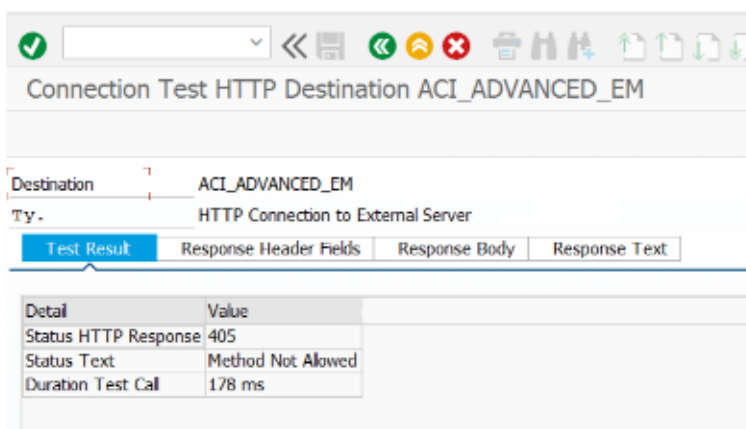
In the next step this certificate can be added to the Trust Store in SAP.

8. Add Certificates to Trust Store

- Transaction: **STRUST**
- Select **Certificate List** as used in RFC destination created above
- Click button **Import certificate** (1)
- Click button **Add to Certificate List** (2)



After adding the certificates, you will receive a 405 “Method not allowed” in the connection test of transaction SM59, which is correct as this means it's reaching the Advanced Event Mesh. The Asapio Integration Add-On will later build the complete URL together leading to a successful response with a 200.



Connection Test should result in a 405. The framework will later build the complete URL together which results in a 200. Here we can see it in transaction /n/asadev/aci_monitor which is explained later in this document.

Q/ Cloud Instance No.	Replication Object	Timestamp	Cloud Response	Co...	Cloud Response	Variant User	Bytes	Data preparation ti...	Cloud call ti...	Data processing ti...
SAP_AEM_POC	MATERIAL_CHANGE	20.10.2023 16:27:35		200	OK	WF-BATCH	430	00:00:00	00:00:01	
SAP_AEM_POC	BUSINESS_PARTNER_CHANGE	20.10.2023 16:08:01		200	OK	WF-BATCH	321	00:00:00	00:00:01	
SAP_AEM_POC	SALESORDER_CHANGE	20.10.2023 15:56:19		200	OK	WF-BATCH	1.615	00:00:00	00:00:02	
SAP_AEM_POC	BUSINESS_PARTNER_CHANGE	20.10.2023 15:33:32		200	OK	WF-BATCH	320	00:00:00	00:00:00	
SAP_AEM_POC	BUSINESS_PARTNER_CHANGE	20.10.2023 14:24:13		200	OK	WF-BATCH	320	00:00:00	00:00:01	

9. Add your RFC-Connections to the Asapio Integration Add-On and remove the initial RFC-Destination.

- Go to transaction SPRO → IMG → Asapio Integration Add-On → Connection and Replication Object Customizing.
- Double-click on Instance SAP_AEM_POC and remove RFC-Destination "ACI_SOLACE_DEMO_SCOTT".
- Now add your new created RFC-Destination.

Before:

Display View "Connections": Details

Instance: SAP_AEM_POC

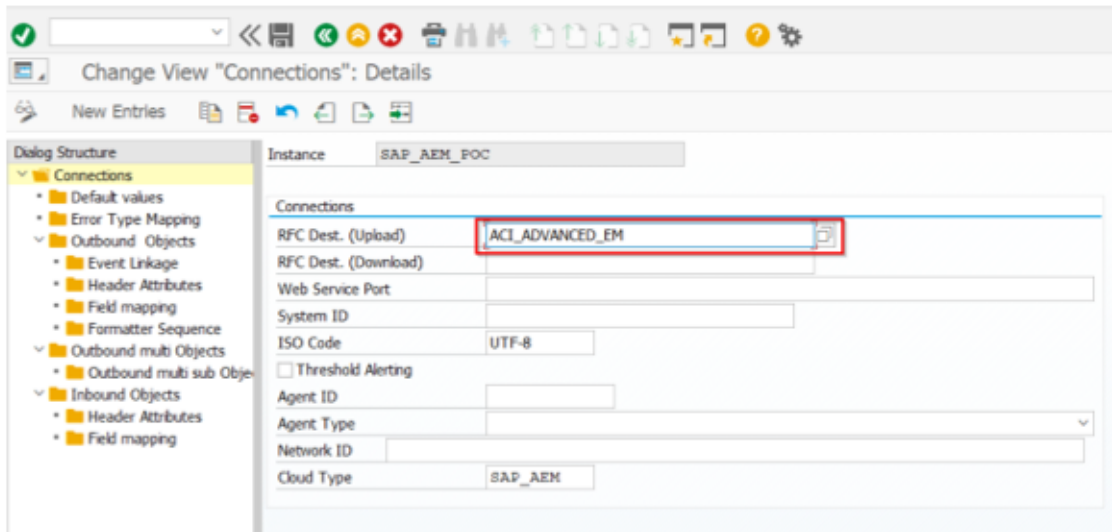
Dialog Structure:

- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Objects
 - Inbound Objects
 - Header Attributes
 - Field mapping

Connections:

RFC Dest. (Upload)	ACI_SOLACE_DEMO_SCOTT
RFC Dest. (Download)	
Web Service Port	
System ID	
ISO Code	UTF-8
<input type="checkbox"/> Threshold Alerting	
Agent ID	
Agent Type	
Network ID	
Cloud Type	SAP_AEM

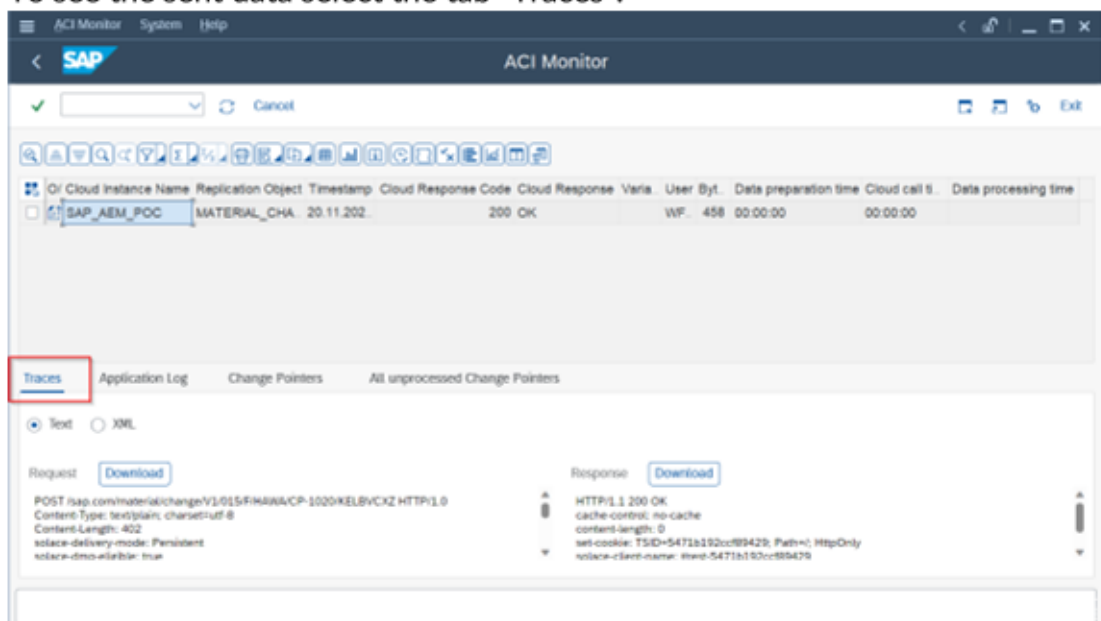
After:



With these steps prepared, we are all set to send messages to Solace. If you have any questions or require further assistance, please feel free to reach out to us. We look forward to a successful workshop!

10. Trigger and test an event

- Go to transaction **BP**
- Change Business Partner
- Save
- After saving the event will be created and the JSON sent to Solace.
- Go to transaction **/n/asadev/aci_monitor**
- You will be able to see the event and the message that was sent to Solace
- To see the sent data select the tab "Traces":



Configuration Details

With the import of the transport including the predefined content you will have the following outbound objects in your system:

Dialog Structure		Instance: SAP_AEM_POC			
Connections					
Default values					
Error Type Mapping					
Outbound Objects					
Event Linkage					
Header Attributes					
Field mapping					
Formatter Sequence					
Outbound multi Objects					
Outbound multi sub Obj					
Inbound Objects					
Header Attributes					
Field mapping					

Replication Object	Data Extraction Function Module	CSV Name	Message Type	Type
<input type="checkbox"/> BUSINESS_PARTNER_CHANGE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/BUSINESS_PARTNER_CHNG	Inc
<input type="checkbox"/> BUSINESS_PARTNER_CREATE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/BUSINESS_PARTNER_CREA	Inc
<input type="checkbox"/> GL_ACCOUNTS_CHANGE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/CHART_OF_ACCOUNT_CHNG	Inc
<input type="checkbox"/> GL_ACCOUNTS_CREATE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/CHART_OF_ACCOUNT_CREA	Inc
<input type="checkbox"/> MATERIAL_CHANGE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/MATERIAL_CHANGE	Inc
<input type="checkbox"/> MATERIAL_CREATE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/MATERIAL_CREATE	Inc
<input type="checkbox"/> PM_NOTIFICATIONS_CHANGE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/PM_NOTIFICATION_CHANG	Inc
<input type="checkbox"/> PM_NOTIFICATIONS_CREATE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/PM_NOTIFICATION_CREAT	Inc
<input type="checkbox"/> SALESORDER_CHANGE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/SALESORDER_CHANGE	Inc
<input type="checkbox"/> SALESORDER_CREATE	/ASADEV/ACI_GEN_POVIEW_EXTRACT		/SAP_AEM/SALESORDER_CREATE	Inc

Business Partner

BUSINESS_PARTNER_CREATE

Dialog Structure		Instance: SAP_AEM_POC	
Connections			
Default values			
Error Type Mapping			
Outbound Objects			
Event Linkage			
Header Attributes			
Field mapping			
Formatter Sequence			
Outbound multi Objects			
Outbound multi sub Obj			
Inbound Objects			
Header Attributes			
Field mapping			

Object	BUSINESS_PARTNER_CREATE
Outbound Objects	
Extraction Func. Mod	/ASADEV/ACI_GEN_POVIEW_EXTRACT
File Name	
Header Lines	
Item Lines	1
Message Type	/SAP_AEM/BUSINESS_PARTNER_CREA
Load Type	Incremental Load
Frequency	
Timestamp	05.10.2023 15:53:18
Sequence	
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACI_GEN_VIEW_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/XX_BUSINESSPARTNER
Payload View Version	2: SMALL DATE FR

Event Linkage:

Event Linkage

Dialog Structure

Connections

- Default values
- Error Type Mapping
- Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Obj
 - Inbound Objects
 - Header Attributes
 - Field mapping

Receiver Type

/SAP_AEM/BUSINESS_PARTNER_CREA

Event Linkage

Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name of Handler	Receiver Type
<input type="checkbox"/> BO BOR	Object BUS1006	CREATED		Func1 /ASADEV/ACI_EVENTS_TRIGGER		

Header Attributes:

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
- Outbound Objects
 - Event Linkage
 - Header Attributes**
 - Field mapping
 - Formatter Sequence
- Outbound multi Objects
 - Outbound multi sub Obj
- Inbound Objects
 - Header Attributes
 - Field mapping

Instance: SAP_AEM_POC

Object: BUSINESS_PARTNER_CREATE

Header Attributes

Header Attribute	Header Attribute Value
<input type="checkbox"/> SOLACE_CALL_METHOD	POST
<input type="checkbox"/> SOLACE_CONT_TYPE	text/plain
<input type="checkbox"/> SOLACE_DELIV_MODE	Persistent
<input type="checkbox"/> SOLACE_DMQ_ELIGIBLE	true
<input type="checkbox"/> SOLACE_TIME_TO_LIVE	2000

Field mapping (i.e. dynamic topic configuration):

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
- Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping**
 - Formatter Sequence
- Outbound multi Objects
 - Outbound multi sub Obj
- Inbound Objects
 - Header Attributes
 - Field mapping

Instance: SAP_AEM_POC

Object: BUSINESS_PARTNER_CREATE

Field mapping

Target structure	Target field	Source structure	Source field	Default value
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_001	root			sap.com
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_002	objectType			businesspartner
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_003	verb			create
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_004	version			V1
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_005	type		TYPE	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_006	partner		PARTNER	

BUSINESS_PARTNER_CHANGE

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
- Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping
 - Formatter Sequence
- Outbound multi Objects
 - Outbound multi sub Obj
- Inbound Objects
 - Header Attributes
 - Field mapping

Instance: SAP_AEM_POC

Object: BUSINESS_PARTNER_CHANGE

Outbound Objects

Extraction Func. Mod	/ASADEV/ACI_GEN_POVIEW_EXTRACT
File Name	
Header Lines	
Item Lines	1
Message Type	/SAP_AEM/BUSINESS_PARTNER_CHNG
Load Type	Incremental Load
Frequency	
Timestamp	20.10.2023 16:08:01
Sequence	
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACI_GEN_VIEW_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/XX_BUSINESSPARTNER
Payload View Version	2: SMALL DATE FR

Event Linkage:

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage**
 - Header Attributes
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Obj
 - Inbound Objects
 - Header Attributes
 - Field mapping

Receiver Type: /SAP_AEM/BUSINESS_PARTNER_CHNG

Event Linkage

Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name
<input type="checkbox"/> BO BOR Objec...	BUS1006	CHANGED	<input checked="" type="checkbox"/> Function	/ASADEV/ACI_EVENTS_TRIGGER	

Header Attributes:

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage
 - Header Attributes**
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Obj
 - Inbound Objects
 - Header Attributes
 - Field mapping

Instance: SAP_AEM_POC

Object: BUSINESS_PARTNER_CHANGE

Header Attributes

Header Attribute	Header Attribute Value
<input type="checkbox"/> SOLACE_CALL_METHOD	POST
<input type="checkbox"/> SOLACE_CONT_TYPE	text/plain
<input type="checkbox"/> SOLACE_DELIV_MODE	Persistent
<input type="checkbox"/> SOLACE_DMQ_ELIGIBLE	true
<input type="checkbox"/> SOLACE_TIME_TO_LIVE	2000

Field mapping (i.e. dynamic topic configuration):

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping**
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Obj
 - Inbound Objects
 - Header Attributes
 - Field mapping

Instance: SAP_AEM_POC

Object: BUSINESS_PARTNER_CHANGE

Field mapping

Target structure	Target field	Source structure	Source field	Default value
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_001	root			sap.com
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_002	objectType			businesspartner
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_003	verb			create
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_004	version			V1
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_005	type		TYPE	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_006	partner		PARTNER	

Payload Design:

- /SAP_AEM/XX_BUSINESSPARTNER (version "2: SMALL DATE FR")

Message Types:

- /SAP_AEM/BUSINESS_PARTNER_CHNG
- /SAP_AEM/BUSINESS_PARTNER_CREA

Trigger:

- BUS1006 – CREATED
- BUS1006 – CHANGED

Transaction:

- BP

GL_ACCOUNTS_CHANGE

Event Linkage:

Header Attributes:

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage
 - Header Attributes

Instance	Object
SAP_AEM_POC	GL_ACCOUNTS_CHANGE
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Objects
 - Inbound Objects
 - Header Attributes
 - Field mapping

Field Mapping (i.e. dynamic topic configuration):

✓ [Dropdown] [Icons] Cancel [Icons]

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Ob
 - Inbound Objects
 - Header Attributes
 - Field mapping

Instance: SAP_AEM_POC
Object: GL_ACCOUNTS_CHANGE

Field mapping

Target structure	Target field	Source structure	Source field	Default value
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_001	root			sepcom
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_002	objectType			chartaccounts
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_003	verb			change
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_004	version			V1
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_005	cCode		BUSIS	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_006	glAccount		SAINT	

GL_ACCOUNTS_CREATE

< SAP Display View "Outbound Objects": Details

✓ [Dropdown] [Icons] + [Icon] Cancel

Dialog Structure

- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Ob
 - Inbound Objects
 - Header Attributes
 - Field mapping

Instance: SAP_AEM_POC
Object: GL_ACCOUNTS_CREATE

Outbound Objects

Extraction Func. Mod	/ASADEV/ACI_GEN_PDVIEW_EXTRACT
File Name	
Header Lines	0
Item Lines	1
Message Type	/SAP_AEM/CHART_OF_ACCOUNT_CREA
Load Type	Incremental Load
Frequency	
Timestamp	29.09.2023 17:46:10
Sequence	0
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACI_GEN_VIEM_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/FI_GL_ACCOUNTS
Payload View Version	MEDIUM

Event Linkage:

< SAP Display View "Event Linkage": Overview

✓ [Dropdown] [Icons] [Icons] Cancel [Icons]

Dialog Structure

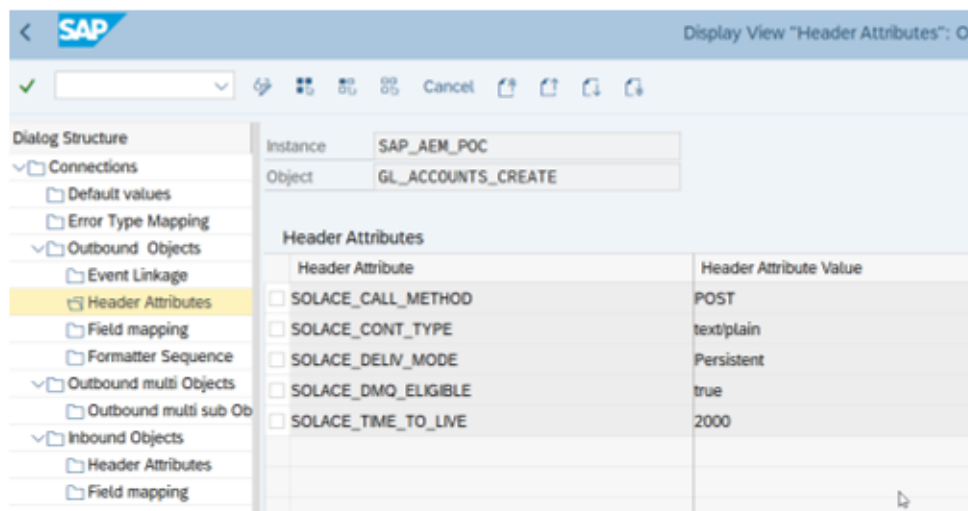
- Connections
 - Default values
 - Error Type Mapping
 - Outbound Objects
 - Event Linkage
 - Header Attributes
 - Field mapping
 - Formatter Sequence
 - Outbound multi Objects
 - Outbound multi sub Ob
 - Inbound Objects
 - Header Attributes
 - Field mapping

Receiver Type: /SAP_AEM/CHART_OF_ACCOUNT_CREA

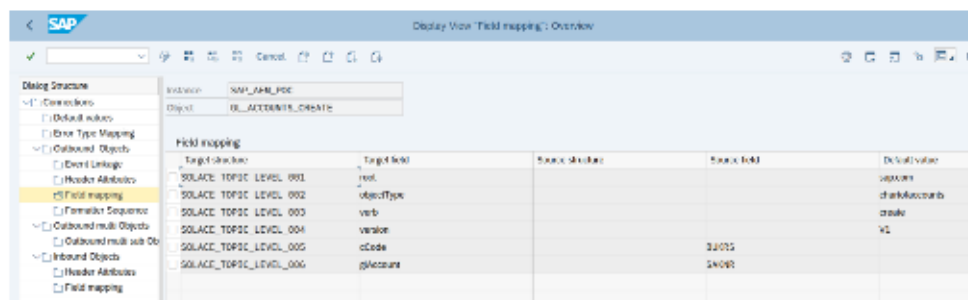
Event Linkage

Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name of Handler
<input type="checkbox"/> BOR Object Typ	/ASADEV/GA	CREATED	Funcio_	/ASADEV/ACI_EVENTS_TRIGGER	

Header Attributes:



Field Mapping (i.e. dynamic topic configuration):



Payload Design:

- /SAP_AEM/FI_GL_ACCOUNTS (version "MEDIUM")

Message Types:

- /SAP_AEM/CHART_OF_ACCOUNT_CHNG
- /SAP_AEM/CHART_OF_ACCOUNT_CREA

Trigger:

- /ASADEV/GA – CREATED

- /ASADEV/GA – MODIFIED

Transaction:

- FSP0
- FSS0

MATERIAL_CHANGE

SAP Display View "Outbound Objects": Details

Instance: SAP_AEM_POC
Object: MATERIAL_CHANGE

Outbound Objects

Extraction Func. Mod	/ASADEV/ACI_GEN_PDVIEW_EXTRACT
File Name	
Header Lines	8
Item Lines	1
Message Type	/SAP_AEM/MATERIAL_CHANGE
Load Type	Incremental Load
Frequency	
Timestamp	16.11.2023 18:28:11
Sequence	8
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACI_GEN_VIEW_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/MM_MATERIAL
Payload View Version	1: SMALL

Event Linkage:

SAP Display View "Event Linkage": Overview

Receiver Type: /SAP_AEM/MATERIAL_CHANGE

Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name of Handler
BOR Object Type	/ASADEV/MA	CHANGED	Function	/ASADEV/ACI_EVENTS_TRIGGER	

Header Attributes:

SAP Display View "Header Attributes": C

Instance: SAP_AEM_POC
Object: MATERIAL_CHANGE

Header Attributes

Header Attribute	Header Attribute Value
<input type="checkbox"/> SOLACE_CALL_METHOD	POST
<input type="checkbox"/> SOLACE_CONT_TYPE	text/plain
<input type="checkbox"/> SOLACE_DELV_MODE	Persistent
<input type="checkbox"/> SOLACE_DMO_ELIGIBLE	true
<input type="checkbox"/> SOLACE_TIME_TO_LIVE	2000

Field Mapping (i.e. dynamic topic configuration):

SAP Display View "Field mapping": Overview

Instance: SAP_AEM_POC
Object: MATERIAL_CHANGE

Field mapping

target structure	target field	source structure	source field	default value
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_001	test			test
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_002	objectType			material
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_003	verb			change
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_004	version			1.0
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_005	materialClass	MATN	MATCL	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_006	industrySector	MATN	MATIS1	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_007	materialType	MATN	MATST	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_008	materialNumber	MATN	MATNR	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_009	materialSourceStrategy	MATN	MATST2	

MATERIAL_CREATE

SAP Display View "Outbound Objects": Details

Instance: SAP_AEM_POC

Object: MATERIAL_CREATE

Outbound Objects

Extraction Func. Mod	/ASADEV/ACT_GEN_PDVIEW_EXTRACT
File Name	
Header Lines	0
Item Lines	1
Message Type	/SAP_AEM/MATERIAL_CREATE
Load Type	Incremental Load
Frequency	
Timestamp	29.09.2023 17:53:12
Sequence	0
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACT_GEN_VIEW_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/MATERIAL
Payload View Version	1: SMALL

Event Linkage:

SAP Display View "Event Linkage": Overview

Receiver Type: /SAP_AEM/MATERIAL_CREATE

Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name of Handler
<input type="checkbox"/> BOR Object Type	/ASADEV/MA	CREATED	Function	/ASADEV/ACT_EVENTS_TRIGGER	

Header Attributes:

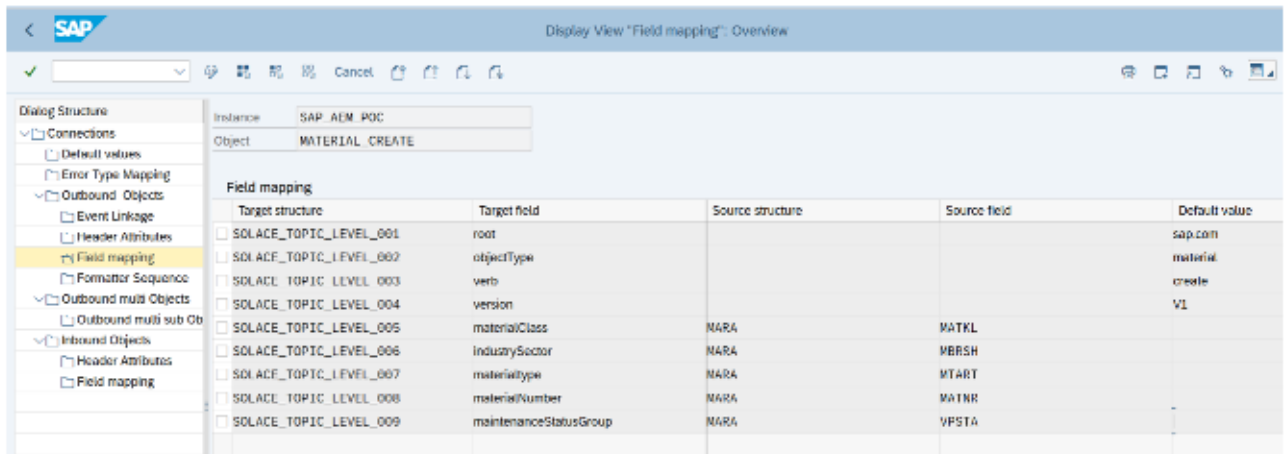
SAP Display View "Header Attributes"

Instance: SAP_AEM_POC

Object: MATERIAL_CREATE

Header Attribute	Header Attribute Value
<input type="checkbox"/> SOLACE_CALL_METHOD	POST
<input type="checkbox"/> SOLACE_CONT_TYPE	text/plain
<input type="checkbox"/> SOLACE_DELM_MODE	Persistent
<input type="checkbox"/> SOLACE_DMQ_ELIGIBLE	true
<input type="checkbox"/> SOLACE_TIME_TO_LIVE	2000

Field Mapping (i.e. dynamic topic configuration):



The screenshot shows the SAP 'Field mapping' overview for instance 'SAP_AEM_POC' and object 'MATERIAL_CREATE'. The left sidebar lists navigation options like 'Connections', 'Default values', 'Error Type Mapping', 'Outbound Objects', 'Event Linkage', 'Header Attributes', 'Field mapping' (selected), 'Formatter Sequence', 'Outbound multi Objects', 'Outbound multi sub Ob', 'Inbound Objects', 'Header Attributes', and 'Field mapping'. The main table lists field mappings from target structures to source fields.

Target structure	Target field	Source structure	Source field	Default value
SOLACE_TOPIC_LEVEL_001	root			sap.com
SOLACE_TOPIC_LEVEL_002	objectType			material
SOLACE_TOPIC_LEVEL_003	verb			create
SOLACE_TOPIC_LEVEL_004	version			V1
SOLACE_TOPIC_LEVEL_005	materialClass	NARA	MATKL	
SOLACE_TOPIC_LEVEL_006	IndustrySector	NARA	MBRSH	
SOLACE_TOPIC_LEVEL_007	materialType	NARA	MTART	
SOLACE_TOPIC_LEVEL_008	materialNumber	NARA	MATNR	
SOLACE_TOPIC_LEVEL_009	maintenanceStatusGroup	NARA	VPSTA	

Payload Design:

- /SAP_AEM/MM_MATERIAL (version "1: SMALL")

Message Types:

- /SAP_AEM/MATERIAL_CREATE
- /SAP_AEM/MATERIAL_CHANGE

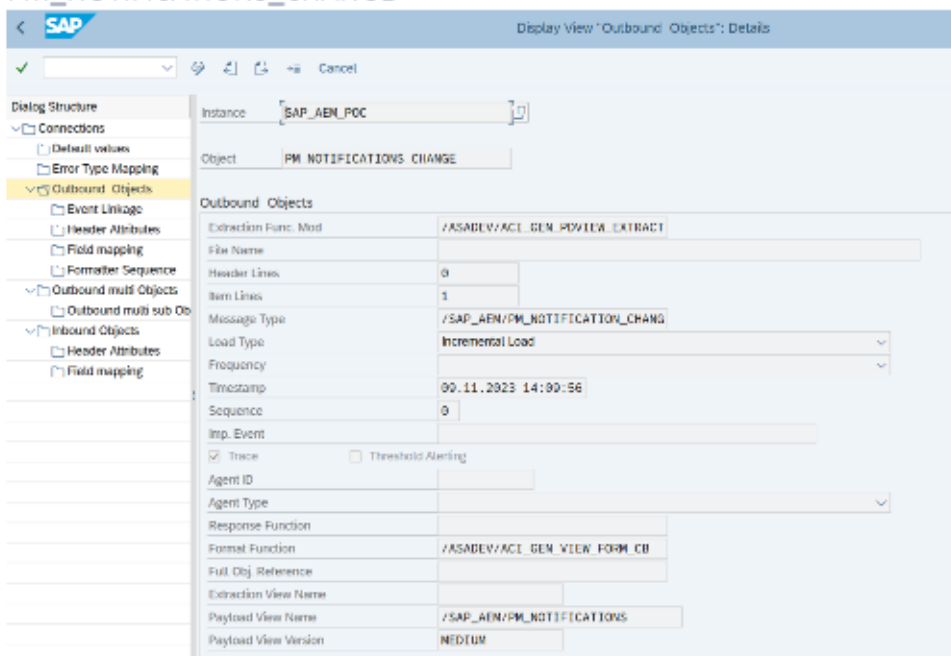
Trigger:

- /ASADEV/MA – CREATED
- /ASADEV/MA – CHANGED

Transaction:

- MM01
- MM02

PM_NOTIFICATIONS_CHANGE



The screenshot shows the SAP 'Outbound Objects' details for instance 'SAP_AEM_POC' and object 'PM_NOTIFICATIONS_CHANGE'. The left sidebar is similar to the first screenshot, with 'Outbound Objects' selected. The main form displays configuration details for the outbound object.

Field	Value
Instance	SAP_AEM_POC
Object	PM_NOTIFICATIONS_CHANGE
Outbound Objects	
Extraction Func. Mod	/ASADEV/ACL_GEN_PVIEW_EXTRACT
File Name	
Header Lines	0
Item Lines	1
Message Type	/SAP_AEM/PM_NOTIFICATION_CHANG
Load Type	Incremental Load
Frequency	
Timestamp	00.11.2023 14:00:06
Sequence	0
Imp. Event	
Trace	<input checked="" type="checkbox"/>
Threshold Alerting	<input type="checkbox"/>
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACL_GEN_VIEW_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/PM_NOTIFICATIONS
Payload View Version	MEDIUM

Event Linkage:

SAP Display View "Event Linkage": Overview

Receiver Type: /SAP_AEM/PM_NOTIFICATION_CHANGE

Event Linkage	Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name of Handler
<input type="checkbox"/> BOR Object Type	/ASADEV/MN	CHANGED		Function	/ASADEV/ACL_EVENTS_TRIGGER	

Header Attributes:

SAP Display View "Header Attributes": Overview

Instance: SAP_AEM_POC

Object: PM_NOTIFICATIONS_CHANGE

Header Attribute	Header Attribute Value
<input type="checkbox"/> SOLACE_CALL_METHOD	POST
<input type="checkbox"/> SOLACE_CONT_TYPE	application/json
<input type="checkbox"/> SOLACE_DELIV_MODE	Persistent
<input type="checkbox"/> SOLACE_DMO_ELIGIBLE	true
<input type="checkbox"/> SOLACE_TIME_TO_LIVE	2000

Field Mapping (i.e. dynamic topic configuration):

SAP Display View "Field mapping": Overview

Instance: SAP_AEM_POC

Object: PM_NOTIFICATIONS_CHANGE

Field mapping	Target structure	Target field	Source structure	Source field	Default value
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_001	post				application
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_002	objectType				notification
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_003	verb				change
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_004	version				V1
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_005	contentType			JSON	
<input type="checkbox"/> SOLACE_TOPIC_LEVEL_006	payload		JSON	JSON_PAYLOAD	

PM_NOTIFICATIONS_CREATE

SAP Display View "Outbound Objects": Details

Instance: SAP_AEM_POC

Object: PM_NOTIFICATIONS_CREATE

Outbound Objects

Extraction Func. Mod	/ASADDEV/ACT_GEN_PDVIEW_EXTRACT
File Name	
Header Lines	0
Item Lines	1
Message Type	/SAP_AEM/PM_NOTIFICATION_CREATE
Load Type	Incremental Load
Frequency	
Timestamp	06.18.2023 16:26:57
Sequence	0
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADDEV/ACT_GEN_VIEW_FORM_CS
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/PM_NOTIFICATIONS
Payload View Version	MEDIUM

Event Linkage:

SAP Display View "Event Linkage": Overview

Receiver Type: /SAP_AEM/PM_NOTIFICATION_CREATE

Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name of Handler
BOR Object Typ	/ASADDEV/IN	CREATED	Function	/ASADDEV/ACT_EVENTS_TRIGGER	

Header Attributes:

SAP Display View "Header Attributes"

Instance: SAP_AEM_POC

Object: PM_NOTIFICATIONS_CREATE

Header Attribute	Header Attribute Value
<input type="checkbox"/> SOLACE_CALL_METHOD	POST
<input type="checkbox"/> SOLACE_CONT_TYPE	text/plain
<input type="checkbox"/> SOLACE_DELIV_MODE	Persistent
<input type="checkbox"/> SOLACE_DMQ_ELIGIBLE	true
<input type="checkbox"/> SOLACE_TIME_TO_LIVE	2000

Field Mapping (i.e. dynamic topic configuration):

SAP Display View "Field mapping": Overview

Instance: SAP_AEM_PDC
Object: PM_NOTIFICATIONS_CREATE

Field mapping	Target field	Source structure	Source field	Default value
SOLACE_TOPIC_LEVEL_001	post			sap.com
SOLACE_TOPIC_LEVEL_002	objectType			notification
SOLACE_TOPIC_LEVEL_003	verb			create
SOLACE_TOPIC_LEVEL_004	version			V1
SOLACE_TOPIC_LEVEL_005	noteType		CHRT	
SOLACE_TOPIC_LEVEL_006	plant	QMCL	ASAPLUSEK	

SALES_ORDER_CHANGE

SAP Display View "Outbound Objects": Details

Instance: SAP_AEM_PDC
Object: SALESORDER_CHANGE

Outbound Objects

Extraction Func. Mod	/ASADEV/ACI_GEN_PDVIEW_EXTRACT
File Name	
Header Lines	8
Item Lines	1
Message Type	/SAP_AEM/SALESORDER_CHANGE
Load Type	Incremental Load
Frequency	
Timestamp	16.11.2023 16:51:25
Sequence	8
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACI_GEN_VIEW_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/SD_SALESORDER
Payload View Version	4: WORKSHOP

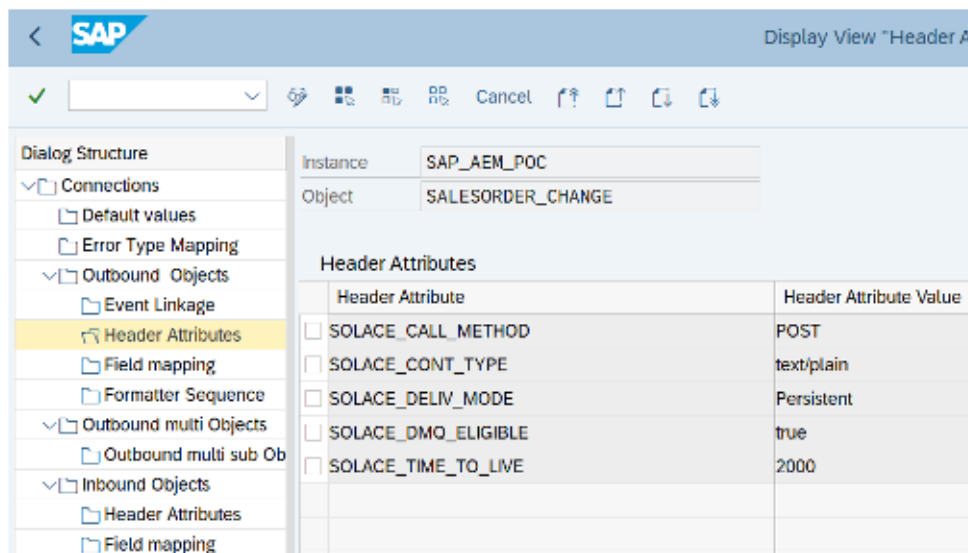
Event Linkage:

SAP Display View "Event Linkage": Overview

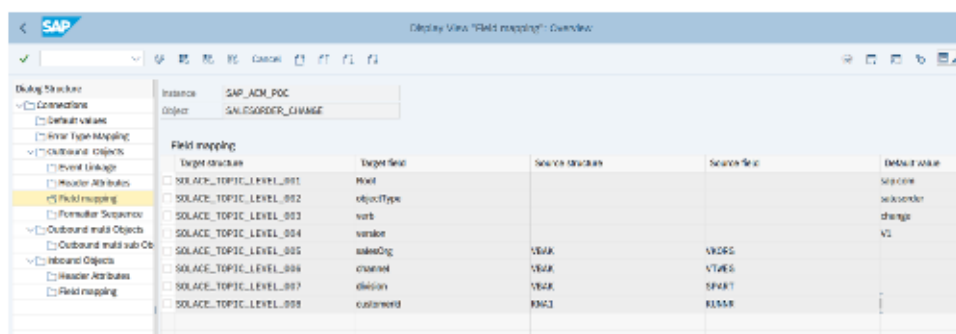
Receiver Type: /SAP_AEM/SALESORDER_CHANGE

Object Category	Object Type	Event	Flag	Receiver Function Module	Class name of Handler
BOR Object Typ	BUS2092	CHANGED	Function	/ASADEV/ACI_EVENTS_TRIGGER	

Header Attributes:



Field Mapping (i.e. dynamic topic configuration):



Payload Design:

- /SAP_AEM/PM_NOTIFICATIONS (version "MEDIUM")

Message Types:

- /SAP_AEM/PM_NOTIFICATION_CREAT
- /SAP_AEM/PM_NOTIFICATION_CHANG

Trigger:

- /AS4DEV/MN – CREATED
- /AS4DEV/MN – CHANGED

Transaction:

- QM01
- QM02

SALES_ORDER_CREATE

SAP Display View "Outbound Objects": Details

Instance: SAP_AEM_POC

Object: SALESORDER_CREATE

Outbound Objects

Extraction Func. Mod	/ASADEV/ACI_GEN_POVIEW_EXTRACT
File Name	
Header Lines	0
Item Lines	1
Message Type	/SAP_AEM/SALESORDER_CREATE
Load Type	Incremental Load
Frequency	
Timestamp	02.11.2023 13:18:59
Sequence	0
Imp. Event	
<input checked="" type="checkbox"/> Trace	<input type="checkbox"/> Threshold Alerting
Agent ID	
Agent Type	
Response Function	
Format Function	/ASADEV/ACI_GEN_VIEW_FORM_CB
Full Obj. Reference	
Extraction View Name	
Payload View Name	/SAP_AEM/SD_SALESORDER
Payload View Version	4: WORKSHOP

Event Linkage:

SAP Display View "Event Linkage": Overview

Receiver Type: /SAP_AEM/SALESORDER_CREATE

Object Category	Object Type	Event	Flag	Receiver Function Module	Class Name of Handler
BOR	Object Type	BUS2032	CREATED	Function	/ASADEV/ACI_EVENTS_TRIGGER

Header Attributes:

SAP Display View "Header Attributes": Details

Instance: SAP_AEM_POC

Object: SALESORDER_CREATE

Header Attribute	Header Attribute Value
<input type="checkbox"/> SOLACE_CALL_METHOD	POST
<input type="checkbox"/> SOLACE_CONT_TYPE	text/plain
<input type="checkbox"/> SOLACE_DELIV_MODE	Persistent
<input type="checkbox"/> SOLACE_DMQ_ELIGIBLE	true
<input type="checkbox"/> SOLACE_TIME_TO_LIVE	2000

Field Mapping (i.e. dynamic topic configuration):

Target structure	Target field	Source structure	Source field	Default value
SOLACE_TOPIC_LEVEL_001	Root			sap.com
SOLACE_TOPIC_LEVEL_002	objectType			salesorder
SOLACE_TOPIC_LEVEL_003	verb			create
SOLACE_TOPIC_LEVEL_004	version			V1
SOLACE_TOPIC_LEVEL_005	salesOrg	VAWK	W003G	
SOLACE_TOPIC_LEVEL_006	company	VAWK	V1044	
SOLACE_TOPIC_LEVEL_007	division	VAWK	S101T	
SOLACE_TOPIC_LEVEL_008	customer	VA01	K0000	

Payload Design:

- /SAP_AEM/SD_SALESORDER (version "4: WORKSHOP")

Message Types:

- /SAP_AEM/SALESORDER_CREATE
- /SAP_AEM/SALESORDER_CHANGE

Trigger:

- BUS2032 – CREATED
- BUS2032 – CHANGED

Transaction:

- VA01
- VA02