

ASAPIO OCI Catalog Interface

Downport of the OCI interface to older SAP R/3 and SAP ERP systems as well as solutions for multiple catalogs in purchase orders, purchase requisitions and maintenance orders

ASAPIO – your SAP Partner for Procurement solutions and Cloud Integration

- ✓ Founded in 2003 by former SAP Consulting Managers and Senior Consultants
- ✓ Headquarters at Munich Technology Center (MTZ), locations in Hamburg, Heidelberg, Stuttgart, Nearshore-Center Voronezh (RU)
- ✓ A team of 40 SAP experts with many years of experience and close cooperation with SAP
- ✓ Visit us at www.asapio.com for more information



Our scope of services:

- » SAP S/4HANA Sourcing & Procurement, SAP SRM, ERP
- » SAP Cloud Solutions, SAP Ariba, SAP Fieldglass and much more
- » Cloud Integration via ASAPIO Cloud Integrator
- » SAP Automotive Solutions and SAP PLM
- » SAP ABAP, Web Dynpro and Fiori developments
- » Development and implementation of ASAPIO Solutions, our add-ons for SAP Procurement solutions

ASAPIO OCI Add-On Solutions for SAP ERP

Enable your SAP ERP System for Catalog Procurement!

The ASAPIO OCI Add-Ons for SAP ERP allows you to connect your purchasing processes in SAP ERP to today's cloud catalogue platforms like Ariba Catalog and many other suppliers offering OCI interfaces.

Asapio is a German-based SAP Silver Partner, founded in 2003 and specialized in procurement topics for SAPs on-Premise and Cloud solutions including SAP SRM, SAP ERP, S/4HANA, Ariba Solutions and Ariba Network, Fieldglass and Concur.

We operate worldwide with an expert team of consultants and developers.

Please contact info@asapio.com for further details and to receive your personal offer.



ASAPIO OCI Add-Ons for SAP ERP – Availability Overview

Module	Release	OCI interface downport	Multiple catalogs	Access control for multiple catalogs
PM / PS	ECC 6.0	✓	✓	✓ / +
	ECC 5.0	✓	+	+
	Enterprise 4.7	+	+	+
	Enterprise 4.6C	+	+	+
MM	ECC 6.0 EhP5	✓	✓	+
	ECC 6.0	✓	+	+
	ECC 5.0	+	+	+
	Enterprise 4.7	+	+	+
	Enterprise 4.6C	+	+	+



Look & Feel – Catalogs in SAP ERP Purchase Order

- ✓ The Add-On adds a new button to the screen, which calls the catalog via OCI4.
- ✓ On click, a window opens that brings up the catalog frontend, embedded in the SAP GUI environment.
- ✓ After the user selected the desired catalog items, the items are transferred into the purchasing document



The image displays two SAP GUI windows. The top-left window is titled 'Create Purchase Order' and shows a form for creating a purchase order. The top-right window is titled 'Catalog Selection' and shows a search results table for a procurement catalog. A red arrow points from the 'Catalog Selection' window to the 'Create Purchase Order' window, indicating the transfer of items. A second red arrow points from the 'Catalog Selection' window to the 'Change Purchase Req. 10016133' window, indicating the transfer of items to a purchase requisition.

Create Purchase Order

Document Overview On | Hold | Print Preview | Messages | Personal Setting | Save As Template | Load from Template

Back | Forward | Close

Standard PO | Vendor | Doc. date | 27.08.2015

Delivery/Invoice | Conditions | Texts | Address | Communication | Partners | Additional Data | Org. Data

Payment Terms | Currency | Exchange Rate | Exch. Rate Fixed

Payment in | days | Payment in | days | Payment in | days net | Incoterms | GR Message

User Interface for the Purchase Order

Three screen areas, which can be expanded and collapsed individually, allow you to determine which data is displayed.

Faulty items

You can process system messages directly or collect them for subsequent processing.

Further functions

- Self-Definable Document Overview
- Fast and Straightforward Access to Relevant Data
- Put Incomplete Purchase Orders "On Hold"
- Copy or Convert Documents into Purchase Orders
- Fast Change
- Maintain Personal Settings
- Enter Account Assignment
- Display Release

Catalog Selection

Search Criteria | Shopping Lists

Keyword: | Search | Advanced Search | eClass | Supplier | Items in Cart: 0 | Subtotal: 0.00

Found 1043 Item(s) of 1043 and showing 1 to 12

Select	Quantity	Action	Pictures	Short Description	Supplier	eClass	Delivery Time in Days	Min
<input type="checkbox"/>	1			1 BOK - ...	Asapio GmbH	24291002 - ...	1	1
<input type="checkbox"/>	1			3 Flag Folder PD orange	Asapio GmbH	24291304 - ...	1	1
<input type="checkbox"/>	1			3 Flag Folder PD orange	Afhred Bürobedarf	24291304 - ...	1	1
<input type="checkbox"/>	1			30mm x 72mm TAPE BLUE/WHITE	Asapio GmbH	24321202 - ...	5	1
<input type="checkbox"/>	1			30mm x 72mm TAPE BLUE/WHITE	Afhred Bürobedarf	24321202 - ...	5	1

Change Purchase Req. 10016133

Document Overview On | Personal Setting | Save As Template | Load from Template

Back | Forward | Close

Purch. requt. Stand. | 10016133 | Source Determination

User Interface for the Purchase Requisition

Three screen areas, which can be expanded and collapsed individually, allow you to determine which data is displayed.

Item	Material	Start Text	Quantity	Unit	C. Delivery Date	Plant	Plant Loc.	Plant Requir.	Tracking	Des. Vendor	Feed Ven
10	100-100	Gerätee 102	1	PC	0 29.12.2014	Herrl Price	Herrl Price	001			
20	100-100	Gerätee 102	1	PC	0 29.12.2014	Herrl Price	Herrl Price	100			
30	100-100	1 KOLL. GRYSTAL-CLEAR	1	PC		Case					1001

Look & Feel – Catalogs in SAP ERP Purchase Requisition

- ✓ The Add-On adds a new button to the screen, which calls the catalog via OCI4.
- ✓ On click, a window opens that brings up the catalog frontend, embedded in the SAP GUI environment.
- ✓ After the user selected the desired catalog items, the items are transferred into the purchasing document



Change Purchase Req. 10016133

Document Overview On | Personal Setting | Save As Template | Load from Template

Back | Forward | Close

Purch.requis. Stand.: 10016133 | Source Determination

User Interface for the Purchase Requisition
Three screen areas, which can be expanded and collapsed individually, allow you to determine which data is displayed.

Faulty items
You can process system messages directly or collect them for subsequent processing.

Further functions

- Self-Definable Document Overview
- Fast and Straightforward Access to Relevant Data
- Copying Purchase Requisitions or Requisition Items
- Maintaining Personal

St.	Item	A	I	Material	Short Text	Quantity	Unit	C	Delivery Date	Mati Group	Plant	Stor. Loc.	PGr	Requisn.
	10			103-100	Gehäuse 103	1	PC	D	30.12.2014	Metal Proce...	Hamburg		001	
	20			102-100	Gehäuse 102	1	PC	D	29.12.2014	Metal Proce...	Hamburg		100	

Material Data | Quantities/Dates | Valuation | Account Assignment | Source of Supply | Status | Contact Person | Texts | Deliver

Agreement | Purch.Org. | Order Unit | Contract Hierarchy | Suppl. Plant | Assign Source of Supply | Vendor Material No.

Catalog Selection

Procurement Catalog

Search Criteria Shopping Lists

Keyword: | Search | Advanced Search | eClass | Supplier | Items in Cart: 0 | Subtotal: 0.00

Found 1043 Item(s) of 1043 and showing 1 to 12

Select	Quantity	Action	Picture	Short Description	Supplier	eClass	Delivery Time in Days	Minor
<input type="checkbox"/>	1	✓		1 ROLL CRYSTAL-CLEAR 10 x 10 x 0,05mm	Asapio GmbH	24230402 - Tischhalter für Klebefilm	1	1
<input type="checkbox"/>	1	✓		3 File Folder PP orange	Asapio GmbH	24291304 - Eckspanner, A4-Format	1	1
<input type="checkbox"/>	1	✓		3 File Folder PP orange	Abrwend Bürobedarf	24291304 - Eckspanner, A4-Format	1	1
<input type="checkbox"/>	1	✓		3mm/7/1 TAPE ELEKTROISOLANTE	Asapio GmbH	24291202 - Klebefilm für Beschriftungsgerät	5	1
<input type="checkbox"/>	1	✓		3mm/7/1 TAPE ELEKTROISOLANTE	Abrwend Bürobedarf	24291202 - Klebefilm für Beschriftungsgerät	5	1

Change Purchase Req. 10016133

Document Overview On | Personal Setting | Save As Template | Load from Template

Back | Forward | Close

Purch.requis. Stand.: 10016133 | Source Determination

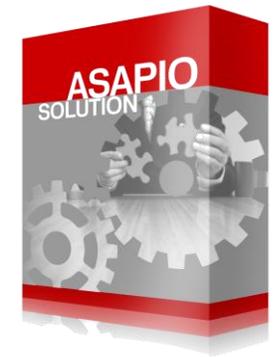
User Interface for the Purchase Requisition
Three screen areas, which can be expanded and collapsed individually, allow you to determine which data is displayed.

St.	Item	A	I	Material	Short Text	Quantity	Unit	C	Delivery Date	Mati Group	Plant	Stor. Loc.	PGr	Requisn.	Tracking	Des. Vendor	Fixed Ven
	10			103-100	Gehäuse 103	1	PC	D	30.12.2014	Metal Proce...	Hamburg		001				
	20			102-100	Gehäuse 102	1	PC	D	29.12.2014	Metal Proce...	Hamburg		100				
	30			1 ROLL CRYSTAL-CLEAR	Cable	1	PC	D					1001				

ASAPIO OCI Add-On – Solution Scope

Solution Scope

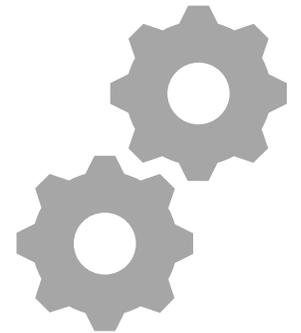
- Which SAP transaction do you need the catalog interface for?
 - MM Purchase Requisition
 - MM Purchase Order
 - PM Order
- Which Item type is required for the catalog items?
 - Materials and / or Services?
- No. of catalogs to be connected to the SAP Application?
 - Single catalog or multiple catalogs?
- Catalog authorization / view concept?
 - Are typical PR/PO authorizations sufficient?
 - If further restriction is required, please name the criteria: e.g. based on plant, purchasing organization, purchasing group, custom authorization object
- Is there customer-specific mapping of master data required during item transfer?
 - Supplier master, Material master, Product categories, Units of Measures?
 - Any Customer-specific parameters or custom OCI fields?



ASAPIO OCI Interface Downport – Technical Requirements

Technical requirements

- ASAPIO provides a packaged Add-On Solution for downgrading the OCI interface to earlier SAP Releases
- OCI Downgrade for MM PR & PO is supported for SAP R/3 4.6C, SAP R/3 4.7, SAP ECC 5.0
- OCI Downgrade for PM Order is supported for SAP R/3 4.6C, SAP R/3 4.7 for Services
- Customer-specific Mapping method similar to BADI ME_CATALOG_INTERFACE is optionally available
- OCI Downgrade requires a limited number of modifications to the SAP standard transactions
- For the implementation of the solutions, we required:
 - Access to SAP ERP System granted via OSS / SAP Support Connection or VPN access for Asapio Developers
 - Developing and debug authorizations
 - A technical contact on customer side to provide access, coordinate import of the transport request, and sample data for the purchasing documents in scope.



Add-On: Access Control for Multiple Catalogs

Access Control for Multiple Catalogs

Business Benefits

Why do you need the Multi Catalog option from ASAPIOs OCI Add-On Suite?

Your system supports multiple catalogs to be connected, either as standard functionality in ERP 6 or through our downport solution described before.

- This multi-catalog interface has no access control feature.
- You like to control access to catalogs dynamically through several parameters, e. g. company code, plant, purchasing organization, roles assignment or user ID
- You might require mapping of important master data during transfer of items from the catalog to SAP ERP, e. g. supplier numbers, material groups
- You might require mapping for special data like long texts, OCI customer fields etc.

Access Control for Multiple Catalogs

ASAPIO provides a packaged Add-On Solution for selective display of multiple catalogs in SAP MM/PM:

- ✓ When clicking the “Catalog” button, the Add-On brings in up a pop-up window with a list of catalogs available to the end-user
- ✓ Purchase order, purchase requisition and plant maintenance order screens are supported
- ✓ The list of catalogs can be restricted based on criteria like document type, item plant code, item purchase organization, role or user ID

The screenshot shows the SAP 'Create Purchase Requisition' interface. A red box highlights the 'Catalog' button in the toolbar, which has triggered a pop-up window. The pop-up window is titled 'Please choose a catalog! (1) 3 Entries found' and contains a table of available catalogs. The 'ASAPIO_MDM' catalog is highlighted in yellow.

Web Service ID	Description for a Web Se..
ASAPIO_MDM	Asapio MDM Katalog
Bechtle_MM	Bechtle MM
SRM_MDM_CATALOG	SRM_MDM_CATALOG

Access Control for Multiple Catalogs

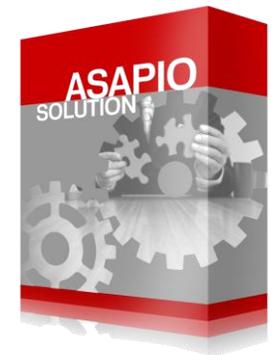
Solution Scope

- An access filter is delivered which lists catalogs based on multiple parameters:

- Document Type (PO, PR, PM Order)
- Subtype (Order Type, e. g. NB)
- Company Code (for POs)
- Plant
- Purchase Organization
- Role or UserID

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
<u>MANDT</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>MANDT</u>	CLNT	3		0 Client
<u>DOCTYPE</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>/ASAOCI/MC_DOCT...</u>	CHAR	2		0 Document category (PM, PO, PR)
<u>BSART</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>/ASAOCI/MC_BSART</u>	CHAR	4		0 Purchase document type
<u>BUKRS</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>BUKRS</u>	CHAR	4		0 Company Code
<u>WERKS</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EWERK</u>	CHAR	4		0 Plant
<u>EKORG</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EKORG</u>	CHAR	4		0 Purchasing Organization
<u>AGR_NAME</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>AGR_NAME</u>	CHAR	30		0 Role Name
<u>BNAME</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>XUBNAME</u>	CHAR	12		0 User Name in User Master Record
<u>OCI_NUMBER</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>NUM</u>	NUMC	2		0 Sequence number
<u>KATALOGID</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>KATALOGID</u>	CHAR	20		0 Identifier for allowed catalogs

- For implementation of the solution, few implicit enhancement spots (soft modification) in the SAP system are required, which will be documented.
- For catalog data returned, standard mapping tables for important master data exist:
 - Supplier master
 - Material groups
 - Contracts Mapping
 - Longtext Mapping
 - General function exit per catalog available, e. g. for custom mappings of OCI customer fields



ASAPIO OCI Add-Ons – Delivery Approach

All our ASAPIO Add-On Packages contain the following services:

- You receive an SAP Transport Request for import into your ERP system, containing:
 - Customizing tables
 - Code
 - Documentation (for access control feature)
- We provide remote implementation support:
 - Implementation (developments) as required, depending on your system release
 - Necessary customizing settings
 - Implementation of enhancements can be agreed at additional costs
- Handover session is included, when the system is ready for testing





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