

# 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](http://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](mailto: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 screenshot displays the SAP ERP Purchase Order creation interface. The main window is titled 'Create Purchase Order' and shows various fields for document overview, including 'Standard PO', 'Vendor', and 'Doc. date'. A sidebar on the left contains a 'User Interface for the Purchase Order' section with three expandable areas. Below this, there are sections for 'Faulty items' and 'Further functions', which includes a list of actions like 'Self-Definable Document Overview', 'Fast and Straightforward Access to Relevant Data', and 'Put Incomplete Purchase Orders "On Hold"'. A red box highlights a button in the bottom right corner of the 'Create Purchase Order' window.

The 'Catalog Selection' window is shown in the top right, displaying a search results table for 'Procurement Catalog'. The table lists items with columns for 'Select', 'Quantity', 'Action', 'Pictures', 'Short Description', 'Supplier', 'eClass', and 'Delivery Time in Days'. The results show 1043 items, with the first few rows visible. A red arrow points from the 'Catalog Selection' window to the 'Create Purchase Order' window, indicating the transfer of items.

The bottom right window shows the 'Change Purchase Req. 10016133' interface, displaying a table with columns for 'Item A', 'Material', 'Start Text', 'Quantity', 'Unit', 'C. Delivery Date', 'Mtl Price', 'Plant', 'Stat. Loc.', 'Plr. Requir.', 'Tracking', 'Des. Vendor', and 'Feed Ven'. The table contains data for three items, including 'Gerätee 102' and 'KOLL CRYSTAL CLEAR'.

# 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



The image displays three screenshots of the SAP ERP Purchase Requisition interface, illustrating the process of adding catalog items to a requisition.

**Top Left Screenshot:** Shows the 'Change Purchase Req. 10016133' screen. A red box highlights a button in the toolbar, which is used to open the catalog selection window.

**Top Right Screenshot:** Shows the 'Catalog Selection' window. It displays a search results table with columns for 'Select', 'Quantity', 'Action', 'Picture', 'Short Description', 'Supplier', 'eClass', and 'Results Per Page'. The table lists various items, including '1 ROLL CRYSTAL-CLEAR' and '3 File Folder PP ORANGE'.

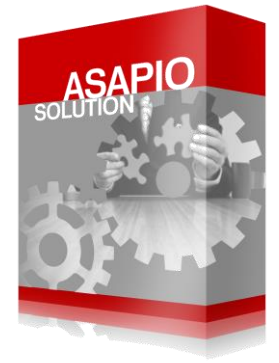
**Bottom Screenshot:** Shows the 'Change Purchase Req. 10016133' screen again, but now with the catalog items added to the requisition. The 'Item' table shows the following data:

St.	Item A	I	Material	Short Text	Quantity	Unit	C	Delivery Date	Matl 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	
	30				1	PC	D	29.12.2014				100	

# ASAPIO OCI Add-On – Solution Scope

## Solution Scope

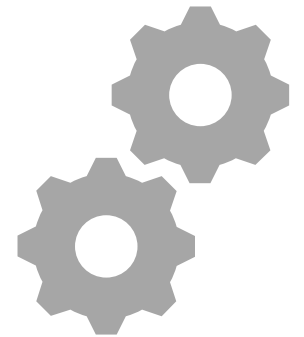
- Which SAP transaction do you need the catalog interface for?
  - MM Purchase Requisition
  - MM Purchase Order
  - PM Order
- Which Item type is required for the catalog items?
  - Materials and / or Services?
- No. of catalogs to be connected to the SAP Application?
  - Single catalog or multiple 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. Another red box highlights a pop-up window titled 'Please choose a catalog! (1) 3 Entries found'. The pop-up window has a 'Restrictions' tab and a table of available catalogs.

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

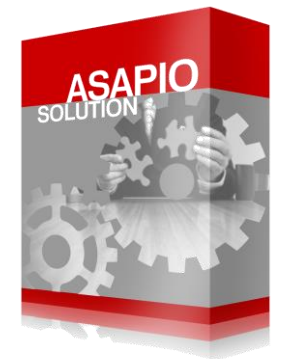
## Solution Scope

- 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







# Contact

Ralph Altmeier

Managing Director

## **Asapio GmbH & Co. KG**

Agnes-Pockels-Bogen 1  
D-80992 Munich

Phone +49 (0)89 4520-744-0

Fax +49 (0)89 4520-744-2

Email [info@asapio.com](mailto:info@asapio.com)

<http://www.asapio.com>

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