

# Sales Order Attachment and Output Document Extraction for SAP Business ByDesign

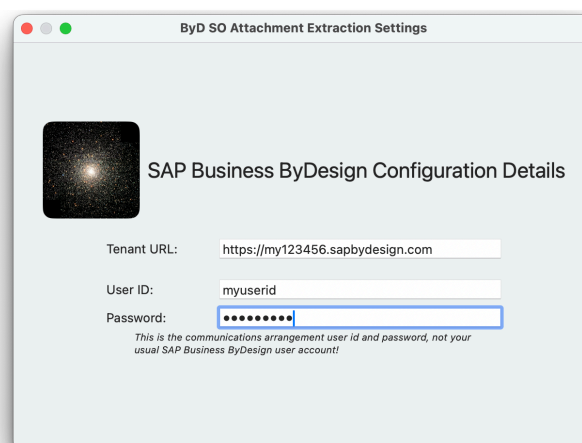
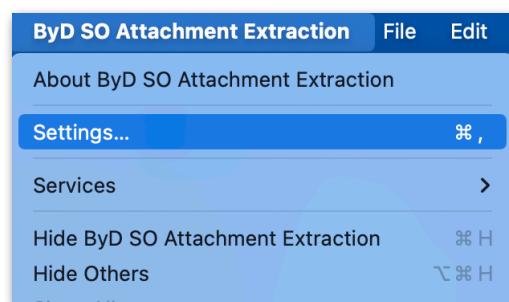
This application is designed to allow you to easily download the attachments saved in the sales orders and the output documents created by the sales orders within your SAP Business ByDesign system, using a simple list of the sales order IDs as the input file.

The input file is a simple list of the sales orders that you want to download the attachments or output documents for, with one order ID per line and saved as either a CSV or a text file.

An example is:

SALESORD001  
SALESORD002  
SALESORD003

Before you can use the application, you need to go to the application preferences to configure the SAP Business ByDesign system details:



Once the SAP Business ByDesign system details have been entered you can then select the output folder where any attachments or output documents will be saved once downloaded. The application will automatically create a new folder for each sales order ID with the folder name the same as the order ID and any downloaded attachments or output documents within these sub folders.

After selecting the output folder you can then load the list of sales order IDs which will appear on the right hand side of the application window.

To commence the download of the sales order attachments and output documents, click the 'Download Documents' button.

On the lower half of the screen you can see an output log showing you what the application is doing and if there are any error messages. If for some reason the download stops you can just click the 'Download Documents' button to restart the download again, continuing from where it left off.

As each sales order is processed, the order ID is removed from the list of sales orders to process, but please be aware that the attachment or output document download could still be processing in the background.

**ByD SO Attachment Extraction**

Select Output Folder

Load Sales Order List

Download Documents

**Sales Order List**

159971
159972
159973
159974
159975
159976
159977
159978

**Application Log Output**

Output folder set to //Users/pdammerning/Documents/macos-apps/ByD Sales Order Attachment Extraction/2024-03-11-07  
Opening list of sales order IDs...found 8 sales orders.  
Starting dowload of attachments

The next section explains how to set up your SAP Business ByDesign system so that it works with this application.

# Communication Scenarios

Create a new communication scenario:

**Communication Scenario Name:** Sales Order Attachment Extraction

Communication Scenario Name: Sales Order Attachment Extraction

Save and Close Save Close New Configuration

Communication Scenario Name:

**Assigned Operations**

Remove Add Operations

Release Status	Operation Description	Service Description	Service Name	Dependent Object Service
✓	Read attachment folder documents	Manage Attachment Folders	ManageAttachmentFolderIn	<input checked="" type="checkbox"/>
✓	Find document output request	Query Document Output Request	QueryDocumentOutputRequestIn	<input type="checkbox"/>
✓	Read document output request pdf	Query Document Output Request	QueryDocumentOutputRequestIn	<input type="checkbox"/>
✓	Read document output request xml	Query Document Output Request	QueryDocumentOutputRequestIn	<input type="checkbox"/>
✓	Find sales orders	Query Sales Orders	QuerySalesOrderIn	<input type="checkbox"/>

Add the following operations:

**Service Name:** QuerySalesOrderIn

**Available Operations**

Add Operation	Release Status	Operation Description	Service Description	Service Name	Dependent Object service
<input checked="" type="checkbox"/>	✓	Find sales orders	Query Sales Orders	QuerySalesOrderIn	<input type="checkbox"/>

**Service Name:** ManageAttachmentFolderIn (Business Object Name = SALES\_ORDER)

**Available Operations**

Add Operation	Release Status	Operation Description	Service Description	Service Name	Dependent Object service
<input checked="" type="checkbox"/>	✓	Read attachment folder ...	Manage Attachment Folders	ManageAttachmentFo...	<input checked="" type="checkbox"/>

**Details**

Business Object Proxy Name:

Business Object Name: SalesOrder

Business Object Namespace: http://sap.com/xi/AP/CRM/Globa

**Service Name:** QueryDocumentOutputRequestIn (select all three options)

Available Operations						
Add Ope...	Release Status	Operation Description	Service Description	Service Name	De Ob ser	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Find document output request	Query Document Output Request	QueryDocumentOutputRequ...		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Read document output request pdf	Query Document Output Request	QueryDocumentOutputRequ...		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Read document output request xml	Query Document Output Request	QueryDocumentOutputRequ...		

Click “Save and Close”

# Communication Systems

Create a new communication system:

- **ID:** SO-EXTRACT
- **Host Name:** SO-EXTRACT
- **System Access Type:** Internet

**Basic Information**

ID: \*

SO-EXTRACT

SAP Business Suite:

☐

Host Name:

SO-EXTRACT

System Access Type: \*

Internet

Add a system instance ID: SO-EXTRACT – Web Service

Add Row	Remove
System Instance ID	Preferred Application Protocol
SO-EXTRACT	5 - Web Service

Click “Actions” and then “Set to Active”:

Save and Close

Save

Close

Actions

Set to Active

Set to Obsolete

Undo Obsolete

**Basic Information**

ID: \*

SO-EXTRACT

SAP Business Suite:

☐

Host Name:

SO-EXTRACT

Click “Save and Close”

# Communications Arrangement

Create a new communications arrangement:

- **Communication Scenario:** Sales Order Attachment Extraction

1 Select Scenario

2 Define Business Data

3 Define Technical Data

4 Review

5 Confirmation

< Previous

Next >

Finish

Close

|

Preview

Check Completeness

Save as Draft

**Communication Scenarios**

Communication Scenario	Communication Scenario column header has pop up for sort and filter	Communication Type
Sales Order Attachment Extraction		Application Integration

- **System Instance ID:** SO-EXTRACT

1 Select Scenario

2 Define Business Data

3 Define Technical Data

4 Review

5 Confirmation

< Previous

Next >

Finish

Close

|

Preview

Check Completeness

Save as Draft

**Communication System**

System Instance ID: \*

SO-EXTRACT

Communication System:

SO-EXTRACT

**My Communi**

My System:

- **Communication Method:** Direct Connection
- **Inbound Communication Enabled:** CHECKED
- **Application Protocol:** Web Service
- **Authentication Method:** User ID and Password
- **User ID:** \_SO-EXTRACT (automatically set)

1 Select Scenario
2 Define Business Data
3 Define Technical Data
4 Review
5 Confirmation

< Previous
Next >
Finish
Close
|
Preview
|
Edit Advanced Settings
Check Completeness
Save as

Communication Method:
Direct Connection

**Inbound Communication: Basic Settings**
**Outbound Communication: Basic Settings**

Inbound Communication Enabled:
☒

Application Protocol: \*
Web Service

Authentication Method: \*
User ID and Password

User ID: \*
\_SO-EXTRACT
Edit Credentials

**Services Used**

Query Sales Orders	Uses Basic Settings	Enabled
Query Document Output R...	Uses Basic Settings	Enabled
Manage Attachment Folders	Uses Basic Settings	Enabled

Click the “Edit Credentials” button:

1 Select Scenario
2 Define Business Data
3 Define Technical Data
4 Review
5 Confirmation

< Previous
Next >
Finish
Close
|
Preview
|
Edit Advanced Settings
Check Completeness
Save as

Communication Method:
Direct Connection

**Inbound Communication: Basic Settings**

Inbound Communication Enabled:
☒

Application Protocol: \*
Web Service

Authentication Method: \*
User ID and Password

User ID: \*
\_SO-EXTRACT
Edit Credentials

Enter a password and then click OK:

## Edit Communication User

User ID:

\_SO-EXTRACT

User Account:

\_SO-EXTRACT

Language:

EN - English

Change Password

Certificate

Password:

.....

OK

Click Next and then click Finish.

The system configuration is now complete!

You should use the \_SO-EXTRACT user ID and password in the Sales Order Attachment Extraction application when configuring the system details.