

Supplier Invoice Attachment Extraction for SAP Business ByDesign

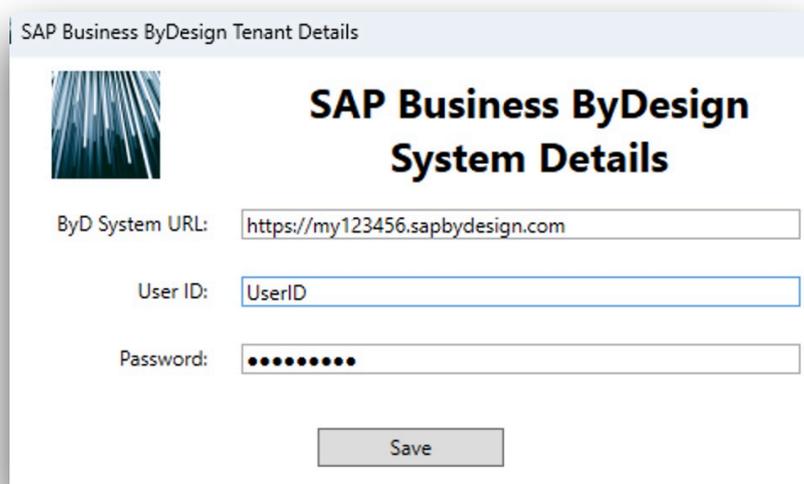
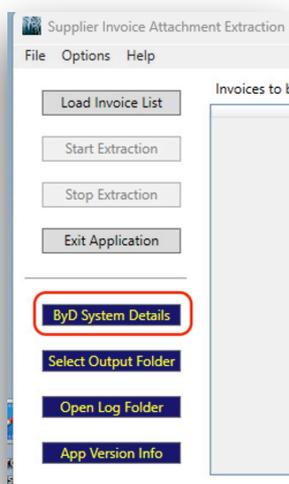
This application is designed to allow you to easily download the attachments saved in the supplier invoices within your SAP Business ByDesign system, using a simple list of the supplier invoice IDs as the input file.

The input file is a simple list of the supplier invoices that you want to download the attachments for, with one invoice ID per line and saved as a CSV file. You could obtain this list by using a SAP Business ByDesign report with one characteristic only showing the invoice ID - and then saving this to a CSV file.

An example is:

INV001
INV002
INV003

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



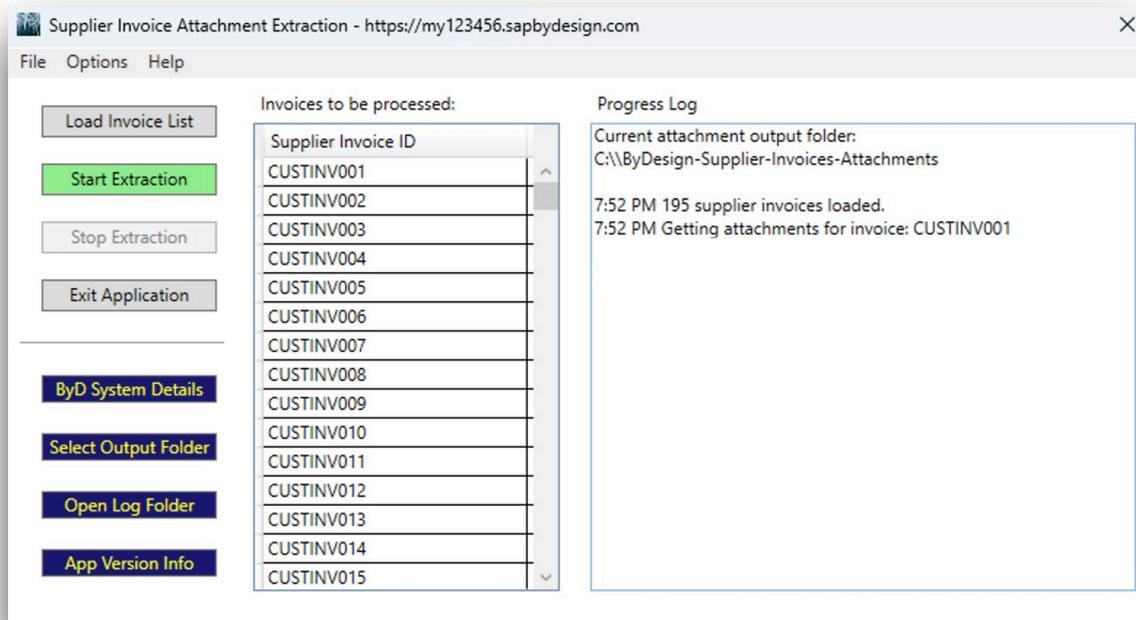
Once the SAP Business ByDesign system details have been entered you can then select the output folder where any attachments will be saved once downloaded. The application will automatically create a new folder for each invoice ID with the folder name the same as the invoice ID and any downloaded attachments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

After selecting the output folder you can then load the list of invoice IDs which will appear middle section of the application window.

To commence the download of the invoice attachments, click the 'Start Extraction' button.

On the right side 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 'Start Extraction' button to restart the download again, continuing from where it left off.

As each invoice is processed, the invoice ID is removed from the list to invoices to process, but please be aware that the attachment download could still be processing in the background.



If for any reason you need to stop the extraction whilst it is processing you can do this with the "Stop Extraction" button. The current list of invoice IDs can also be found in the "To-Process" folder which you can access by clicking on the "Open Log Folder" button and then going up a directory level.

Name	Date modified	Type
Log	6/26/2024 5:10 PM	File folder
Processed	6/26/2024 5:10 PM	File folder
To-Process	6/26/2024 4:58 PM	File folder

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: Supplier Invoice Attachment Extraction

Add the following operations:

Service Name: QuerySupplierInvoiceQueryIn

Add Operation	Release Status	Operation Description	Service Description	Service Name	Dependent Object service
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Find supplier invoices	Query Supplier Invoices	QuerySupplierInvoiceQueryIn	<input type="checkbox"/>

Service Name: ManageAttachmentFolderIn (Business Object Name = SupplierInvoice)

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

Details

Business Object Proxy Name:

Business Object Name: SupplierInvoice

Business Object Namespace: http://sap.com/xi/AP/SupplierInvoicing/Global

Click "Save and Close"

Communication Systems

Create a new communication system:

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

Basic Information

ID: *

SAP Business Suite:

Host Name:

System Access Type: *

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

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

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

SAP Business ByDesign New Communication System ✕

[Save and Close](#) [Save](#) [Close](#) | [Actions](#)

Basic Information

ID: *

SAP Business Suite:

Host Name:

Internal Comment

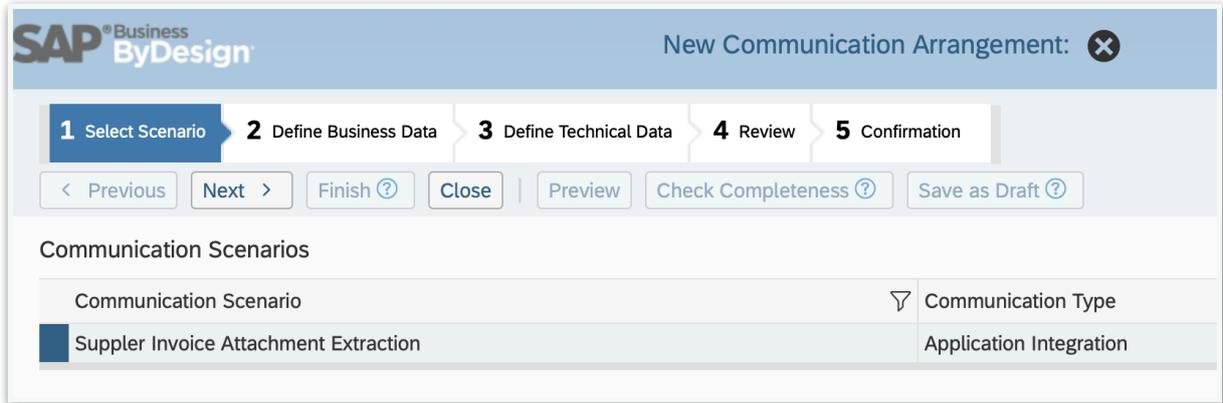
Actions

- Set to Active
- Set to Obsolete
- Undo Obsolete

Communications Arrangement

Create a new communications arrangement:

- **Communication Scenario:** Supplier Invoice Attachment Extraction



The screenshot shows the 'New Communication Arrangement' wizard in SAP Business ByDesign. The title bar includes the SAP logo and the text 'New Communication Arrangement:'. Below the title bar is a progress bar with five steps: 1 Select Scenario (active), 2 Define Business Data, 3 Define Technical Data, 4 Review, and 5 Confirmation. Below the progress bar are navigation buttons: '< Previous', 'Next >', 'Finish ?' (disabled), 'Close', 'Preview', 'Check Completeness ?' (disabled), and 'Save as Draft ?' (disabled). The main content area is titled 'Communication Scenarios' and contains a table with two columns: 'Communication Scenario' and 'Communication Type'. The first row is 'Supplier Invoice Attachment Extraction' with the type 'Application Integration'.

Communication Scenario	Communication Type
Supplier Invoice Attachment Extraction	Application Integration

- **System Instance ID:** SI-EXTRACT



The screenshot shows the 'New Communication Arrangement' wizard in SAP Business ByDesign, now at Step 2: Define Business Data. The title bar includes the SAP logo and the text 'New Communication Arrangement: Supplier Invoice Attachment'. The progress bar shows Step 2 as active. Below the progress bar are navigation buttons: '< Previous', 'Next >', 'Finish ?' (disabled), 'Close', 'Preview', 'Check Completeness ?' (disabled), and 'Save as Draft ?' (disabled). The main content area is titled 'Communication System' and contains two sections. The first section is 'My Communication Data' with a label 'System Instance ID: *' and a text input field containing 'SI-EXTRACT'. The second section is 'My System:' with a label 'Communication System:' and a text input field containing 'SI-EXTRACT'.

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

SAP Business ByDesign New Communication Arrangement: Supplier Invoice Attachment Extraction

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 Draft ?

Communication Method: Direct Connection

Inbound Communication: Basic Settings

Inbound Communication Enabled:

Application Protocol: * Web Service

Authentication Method: * User ID and Password

User ID: * _SI-EXTRACT [Edit Credentials](#)

Services Used

Manage Attachment Folders	Uses Basic Settings	Enabled
Query Supplier Invoices	Uses Basic Settings	Enabled

Click the “Edit Credentials” button:

SAP Business ByDesign New Communication Arrangement: Supplier Invoice Attachment Extraction

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

< Previous | Next > | Finish ? | Close | Preview | **Edit Advanced Settings** | Check C

Communication Method: Direct Connection

Inbound Communication: Basic Settings

Inbound Communication Enabled:

Application Protocol: * Web Service

Authentication Method: * User ID and Password

User ID: * **SI-EXTRACT** **Edit Credentials**

Services Used

Enter a password and then click OK:

Edit Communication User

Depending on the chosen authentication method, you need to upload a certificate or define a password for th

User ID:

User Account:

Language:

[Change Password](#) Certificate

Password:

Click Next and then click Finish

The system configuration is now complete!

You should use the `_SI-EXTRACT` user ID and password in the Supplier Invoice Attachment Extraction application when configuring the system details.