

# Customer Invoice Attachment and Output Document Extraction for SAP Business ByDesign

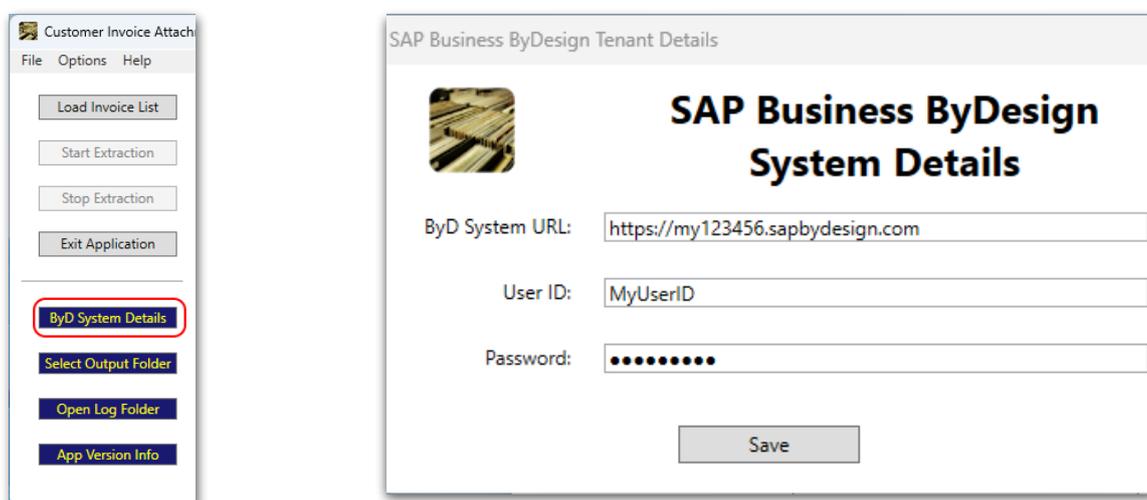
This application is designed to allow you to easily download the attachments saved in the customer invoices and the output documents created by the customer invoices within your SAP Business ByDesign system, using a simple list of the customer invoice IDs as the input file.

The input file is a simple list of the customer invoices that you want to download the attachments or output documents 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:

```
CUSTINV001  
CUSTINV002  
CUSTINV003
```

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

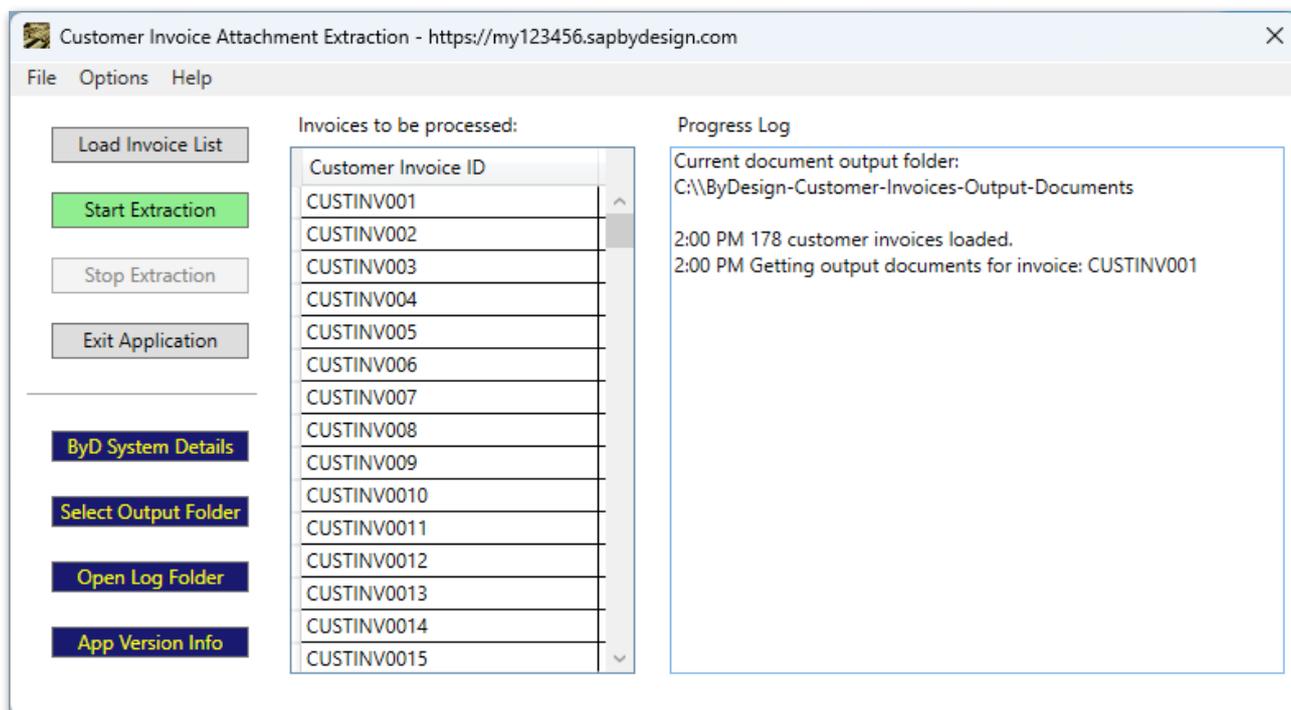


Once the SAP Business ByDesign system details have been entered you can then select the output folder where any attachments or output documents will be saved once downloaded. The application will automatically create a new folder for each invoice ID with the folder name the same as the invoice ID and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

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

To commence the download of the invoice attachments and output documents, 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 be processed but please be aware that the attachment or output document 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:** Customer Invoice Attachment Extraction

Communication Scenario \*

Assigned Operations

|

Release Status	Operation Description	Service Description	Service Name	Dependent Object Service
<input checked="" type="checkbox"/>	Read attachment folder documents	Manage Attachment Folders	ManageAttachmentFolderIn	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Find customer invoices	Query Customer Invoices	QueryCustomerInvoiceIn	<input type="checkbox"/>
<input type="checkbox"/>	Find document output request	Query Document Output Request	QueryDocumentOutputRequestIn	<input type="checkbox"/>
<input type="checkbox"/>	Read document output request pdf	Query Document Output Request	QueryDocumentOutputRequestIn	<input type="checkbox"/>
<input type="checkbox"/>	Read document output request xml	Query Document Output Request	QueryDocumentOutputRequestIn	<input type="checkbox"/>

Details ⓘ

Business Object Proxy Name:

Business Object Name: CustomerInvoice

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

Add the following operations:

**Service Name:** QueryCustomerInvoiceIn

Available Operations

Add Ope...	Release Status	Operation Description	Service Description	Service Name
<input type="checkbox"/>	<input type="checkbox"/>	Find customer invoices	Query Customer Invoices	QueryCustomerInvoiceIn

**Service Name:** ManageAttachmentFolderIn (Business Object Name = CustomerInvoice)

Available Operations

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

Details ⓘ

Business Object Proxy Name:

Business Object Name: CustomerInvoice

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

**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:** CI-EXTRACT
- **Host Name:** CI-EXTRACT
- **System Access Type:** Internet

**Basic Information**

ID: \*

SAP Business Suite:

Host Name:

System Access Type: \*  ▼

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

System Instances

[Add Row](#) | [Remove](#)

System Instance ID	Preferred Application Protocol
CI-EXTRACT	5 - Web Service

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

Save and Close
Save
Close
Actions ▾

**Basic Information**

ID: \*

SAP Business Suite:

Set to Active

Set to Obsolete

Undo Obsolete

Click “Save and Close”

# Communications Arrangement

Create a new communications arrangement:

- **Communication Scenario:** Customer Invoice 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 Type
Customer Invoice Attachment Extraction	Application Integration

- **System Instance ID:** CI-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: \*

Communication System: CI-EXTRACT

My Commu

My System:

- **Communication Method:** Direct Connection
- **Inbound Communication Enabled:** CHECKED
- **Application Protocol:** Web Service
- **Authentication Method:** User ID and Password
- **User ID:** \_CI-EXTRAC\_0 (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 Comp

Communication Method: Direct Connection

**Inbound Communication: Basic Settings** Outbound C

Inbound Communication Enabled:  No Outbound

Application Protocol: \* Web Service

Authentication Method: \* User ID and Password

User ID: \* \_CI-EXTRAC\_0 Edit Credentials

**Services Used**

Query Customer Invoices	Uses Basic Settings	Enabled
Manage Attachment Folders	Uses Basic Settings	Enabled
Query Document Output R...	Uses Basic Settings	Enabled

Click the "Edit Credentials" button:

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

< Previous
Next >
Finish ?
Close
Preview
Edit Advanced Settings

Communication Method: Direct Connection

**Inbound Communication: Basic Settings**

Inbound Communication Enabled:

Application Protocol: \* Web Service

Authentication Method: \* User ID and Password

User ID: \* \_CI-EXTRAC\_0 Edit Credentials

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 the c

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 `_CI-EXTRAC_0` user ID and password in the Customer Invoice Attachment Extraction application when configuring the system details.