

ERP Rapid Extraction Solution

The *ERP Extraction Solution* has been created to ease the transfer of data between SAP ByD Cloud and DOMO. Using the *ERP Extraction Solution* means that by performing few steps data transfers can be done in an easy, timely manner without the requirement of complex IT/coding knowledge. The *ERP Extraction Solution* also enables these transfers to be done with ease across devices, including via mobile phones and tablets. The Accelerated framework acts as an automated bridge between SAP and DOMO where several operations can be performed as listed in the subsequent sections.

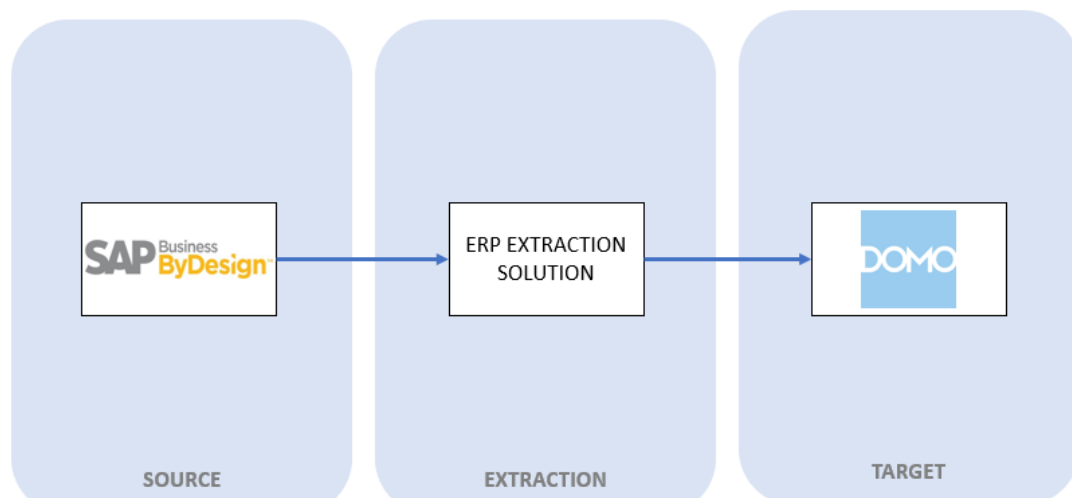


Fig.1. Illustration of ERP Extraction Solution acting as a bridge between SAP ByD and Domo

Performing Various Operations in the ERP Extraction Solution

- 1) Go to the ERP Extraction Solution Portal located at:
<http://erpextractionsolution.co.uk/#/login>
- 2) Log in using the details provided to you by the Manzeera Solutions Team in the box at the top of the webpage. These details are provided on an individual basis, for subsequent log in credentials please contact the Manzeera Solutions team on
centreofexcellence@manzeerasolutions.co.uk

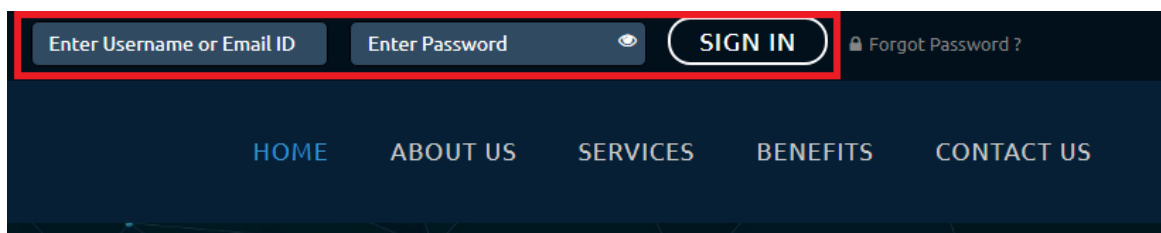


Fig.2. Log in Panel of Portal

- 3) Upon logging in, you will be brought to the 'Dashboard' page. This page can be accessed any time in the portal by clicking the word 'Dashboard' in the menu.

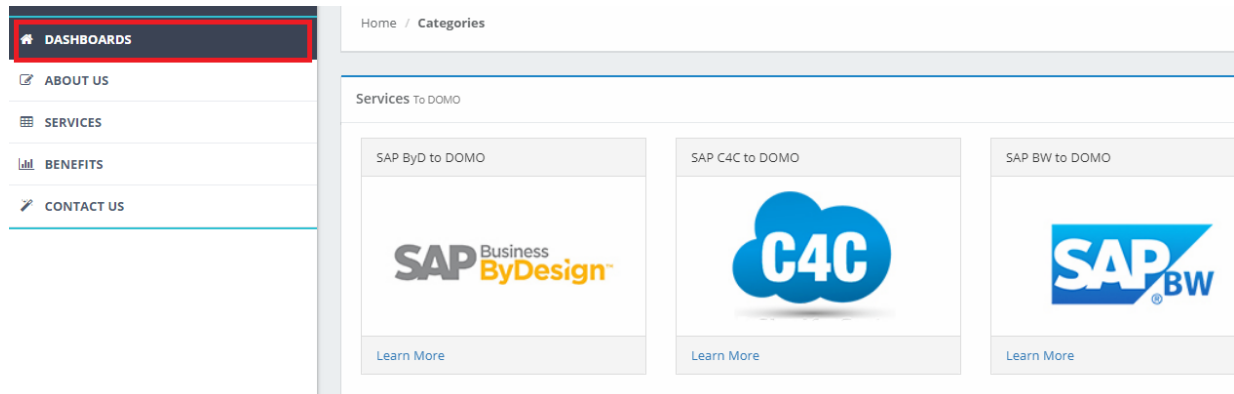


Fig.3. Dashboard and Menu Panel of Portal

- 4) Within the Dashboard, select the correct service you require. For example, for SAP Business ByDesign click 'Learn More' to proceed.

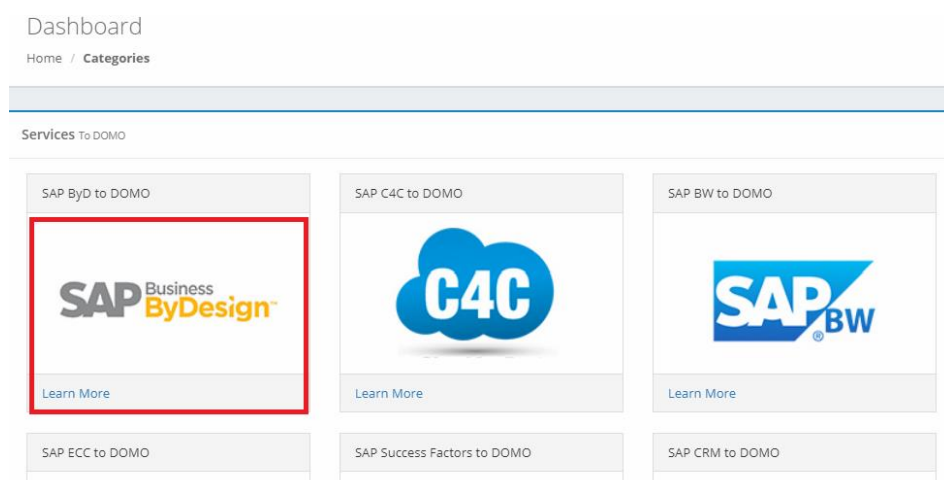


Fig.4. Illustration of SAP ByD Selection in Portal Dashboard

- 5) Once you have selected your desired service, you will see the option to Create a New Configuration. This New Configuration refers to a new use case of data being required to move from an SAP ByD to Domo.

API Uri* (Example : http://www.example.com)	
API ID*	API Password*
Target DOMO System client ID*	Target DOMO System Secret Key*
Data Set Name*	Data Set Description*
User ID*	Email Update* Example (email@example.com,email@gmail.com,)
<input type="button" value="Save"/>	<input type="button" value="Cancel"/>

Fig.5. Creating a New Configuration in the Portal

The following information has to be input into the webpage in order for a New Configuration to be created:

- API URL:

In this field a suitable OData API must be provided.

SAP ByD offers OData for ByD Analytics to access Analytics Data. Users can query and retrieve characteristics and measures used in the ByD reports. This includes both standard reports as well as custom reports based on standard data sources or custom data sources.

Centre of Excellence proposes to use ByD OData API to extract data in non-real-time mode. In order to use the accelerated framework created by CoE, providing the correctly constructed API is the most critical element of successful extraction. Following steps demonstrate the steps to create the API URL

OData Parameter

The ByD OData URL consists of 4 components:

- your system host name,
- a shortened name of the ByD work center,
- a report ID, and
- query options.

URL pattern: https://<your system host name>.com/sap/byd/odata/<shortened name of work center>_analytics.svc/RP<report ID>QueryResults?<query options>

ByD OData supports the following query options:

\$select

Expansion: \$select=<one or more specified characteristics separated by commas>

\$orderby (ascending)

Expansion: \$orderby=<one or more specified characteristics followed by asc, separated by commas>

\$orderby (descending)

Expansion: \$orderby=<one or more specified characteristics followed by desc, separated by commas>



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\$totals

Expansion: \$totals=<one or more specified characteristics separated by commas>

\$filter

Expansion: \$filter=<specified characteristic> eq '<filter value>'

\$stop

Expansion: \$stop=<specified number>

\$skip

Expansion: \$skip=<specified number>

\$count

\$inlinecount

\$format

- API ID:

The API ID is the SAP ByD User ID which has the required access to the suitable work centres authorised for extraction

- API Password:

This is the password of the above User ID that has the authorisation to extract data from the relevant API

- Target DOMO System Client ID:

This field is specific to your instance of Domo. Please contact Manzeera Solutions on centreofexcellence@manzeerasolutions.co.uk for the specific values applicable to your instance of Domo

- Target DOMO System Secret Key:

This field is specific to your instance of Domo. Please contact Manzeera Solutions on centreofexcellence@manzeerasolutions.co.uk for the specific values applicable to your instance of Domo

- Data Set Name:

This is the name of the dataset that will be created in Domo. As a best practice, please use this dataset for staging purposes only. No cards should be created directly onto this dataset in order to avoid disruptions or negative impact on the cards due to changes in the source structure.

- Data Set Description:

This is the description of the dataset that will be reflected in Domo.

- User ID:

This is the user ID of the portal as given by the Manzeera Solutions team. This user is responsible for a specific user case and can perform several operations such as running the use case, changing the use case, maintaining logs etc. as listed in subsequent sections.



- Email Update:

This holds the email IDs of the relevant stakeholders that need to be updated as to the success or failure of data loads when they occur.

Once these have been successfully completed, the 'Save' button should be pressed in to add the configuration to your system.

- Underneath the 'Create New Configuration' section, you will find the 'Batch Schedule' options. This will enable you to schedule your configurations to be scheduled as a single batch. The first field is the hourly interval, the second and third fields describe valid to and valid from dates. Since this is a resource intensive activity it is recommended to contact Manzeera Solutions on centreofexcellence@manzeerasolutions.co.uk in order to define the appropriate batch schedule.

Batch Schedule

0.2	18/04/2018	29/04/2018	Schedule Config
	2018-04-18	2018-04-29	

Fig.6. Batch Scheduling in the Portal

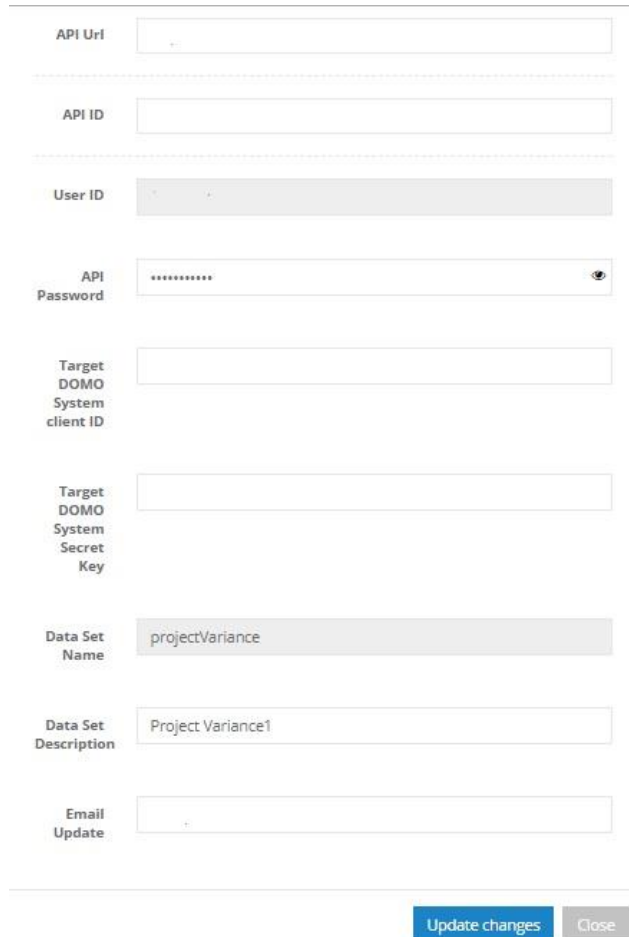
- Underneath the 'Batch Schedule' section, you will find the catalogue of your existing configurations. In this section you will find the names of your configurations, their status and various actions that can be taken against these configurations including Update, View Logs, Run Now and Activate/Deactivate. Here various operations are performable on the different use cases.

Name of Configuration	Status	Action			
projectVariance	Deactivated	Update	View Logs	Run Now	Activate
projectLineItems	Activated	Update	View Logs	Run Now	Deactivate
salesOrderVolume	Activated	Update	View Logs	Run Now	Deactivate
opportunityVolume	Deactivated	Update	View Logs	Run Now	Activate
Name of Configuration	Status	Action			

Fig.7. Catalogue of existing Configurations

- Update:

This allows you to make changes to existing configurations by editing fields and saving updated changes



The form contains the following fields:

- API Url
- API ID
- User ID
- API Password (with a toggle for visibility)
- Target DOMO System client ID
- Target DOMO System Secret Key
- Data Set Name (pre-filled with 'projectVariance')
- Data Set Description (pre-filled with 'Project Variance1')
- Email Update

At the bottom right, there are two buttons: 'Update changes' and 'Close'.

Fig.8. Update Configurations

- View Logs:

This allows you to view the history of the configuration

View Logs		
Dataset Name	Message	Timestamp
projectVariance	Data Uploaded for Data Set Name: projectVariance Data Set Desc: Project Variance1	Apr 9, 2018 9:37:20 PM
projectVariance	Data Uploaded for Data Set Name: projectVariance Data Set Desc: Project Variance1	Apr 9, 2018 6:17:34 PM

Fig.9. View Logs of Configurations



- Run Now

Selecting this enables the configuration to be run instantly on demand

- Activate/Deactivate:

Selecting this enables the configuration to be activated or deactivated instantly

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