

# **Kollet PowerETL**

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## Kollect PowerETL

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## User Management

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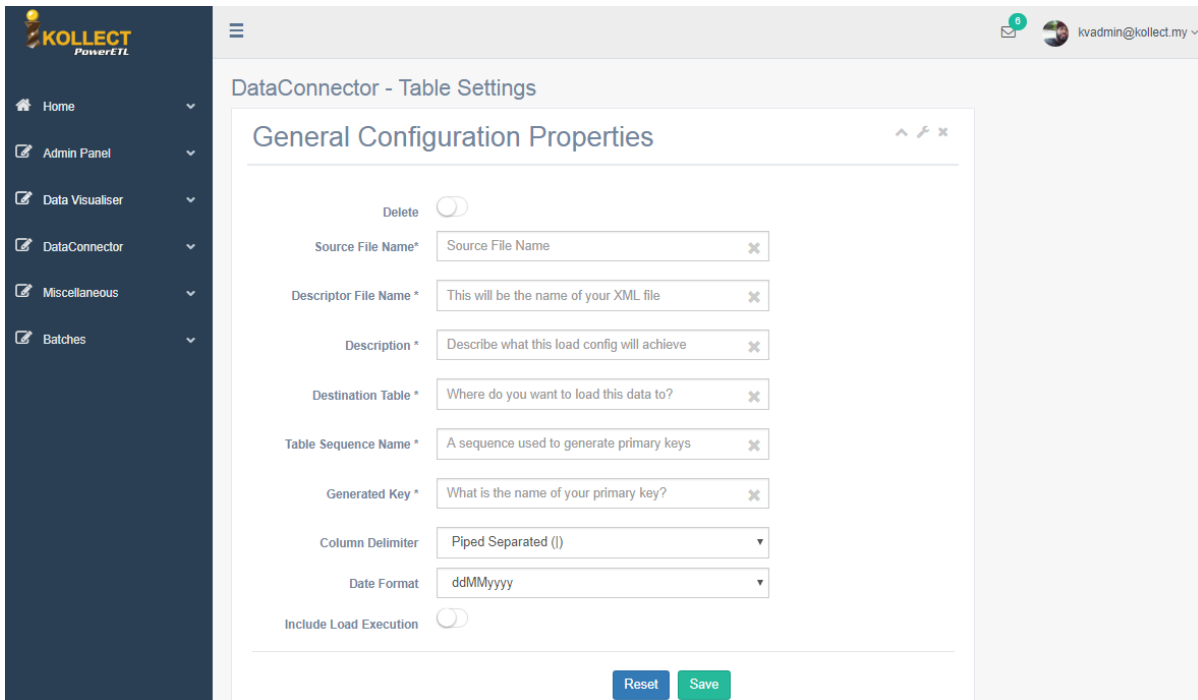
**Figure 1:**

The user management page is a section for administrators to either view, add, edit or remove? users who have access to the PowerETL. On the left side of the page, the administrator can Create or Edit details of a user. The administrator can also define the role of the users between a regular user and an administrator, and define the tenants that they are working on. On the right side of the page, there is a table that displays all the registered users First Name, and their Email addresses. The administrator can also click edit in the Actions column to edit details of a user that is already registered.

## Table Settings - General Configuration Properties

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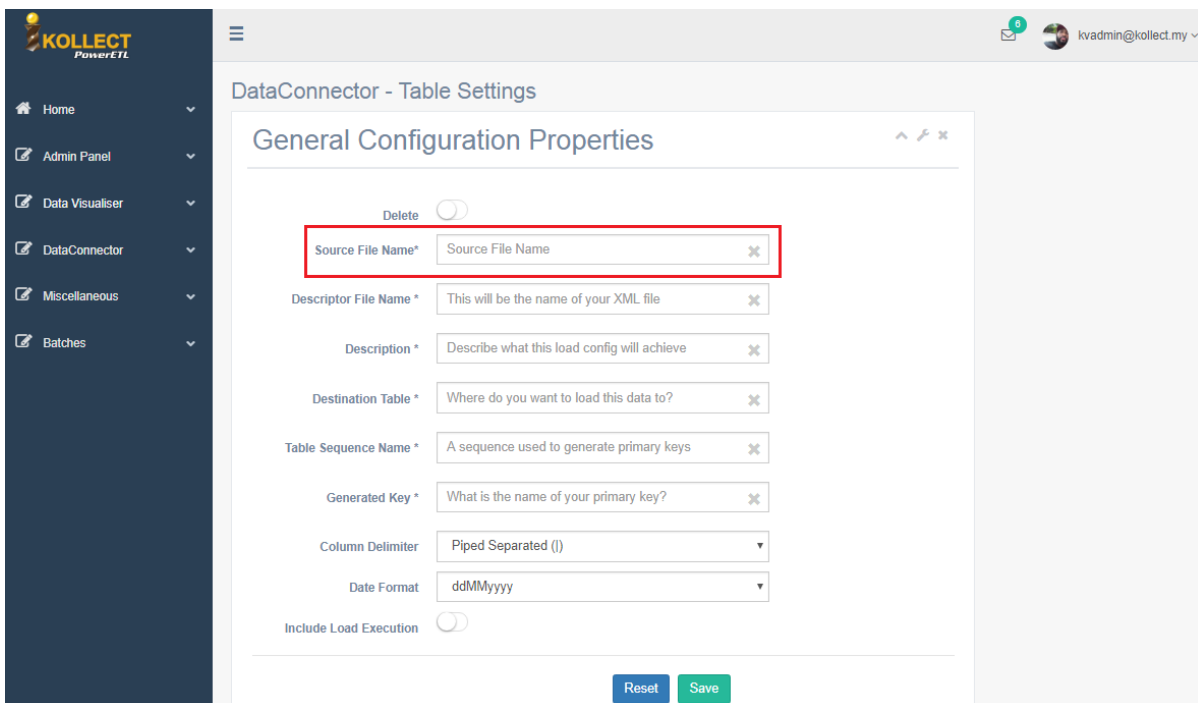
This section is for users to insert information about the data file that is to be loaded. Most of these files will come as CSV (Comma Separated Values) or PSV (Pipe Separated Values) files, both of which consist of rows and columns like an Excel file. Information about the data file and then its columns need to be recorded and below is the method for inserting the initial information about the data file itself.



The screenshot shows the 'DataConnector - Table Settings' interface. On the left is a dark blue sidebar with the 'KOLLECT PowerETL' logo and a menu with items: Home, Admin Panel, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main content area is titled 'DataConnector - Table Settings' and contains a 'General Configuration Properties' form. The form includes a 'Delete' toggle, a 'Source File Name\*' text field with a placeholder 'Source File Name', a 'Descriptor File Name\*' text field with a placeholder 'This will be the name of your XML file', a 'Description\*' text field with a placeholder 'Describe what this load config will achieve', a 'Destination Table\*' text field with a placeholder 'Where do you want to load this data to?', a 'Table Sequence Name\*' text field with a placeholder 'A sequence used to generate primary keys', a 'Generated Key\*' text field with a placeholder 'What is the name of your primary key?', a 'Column Delimiter' dropdown menu set to 'Piped Separated (|)', a 'Date Format' dropdown menu set to 'ddMMyyyy', and an 'Include Load Execution' toggle. At the bottom right of the form are 'Reset' and 'Save' buttons.

Figure 2: Table Settings

## Source File Name

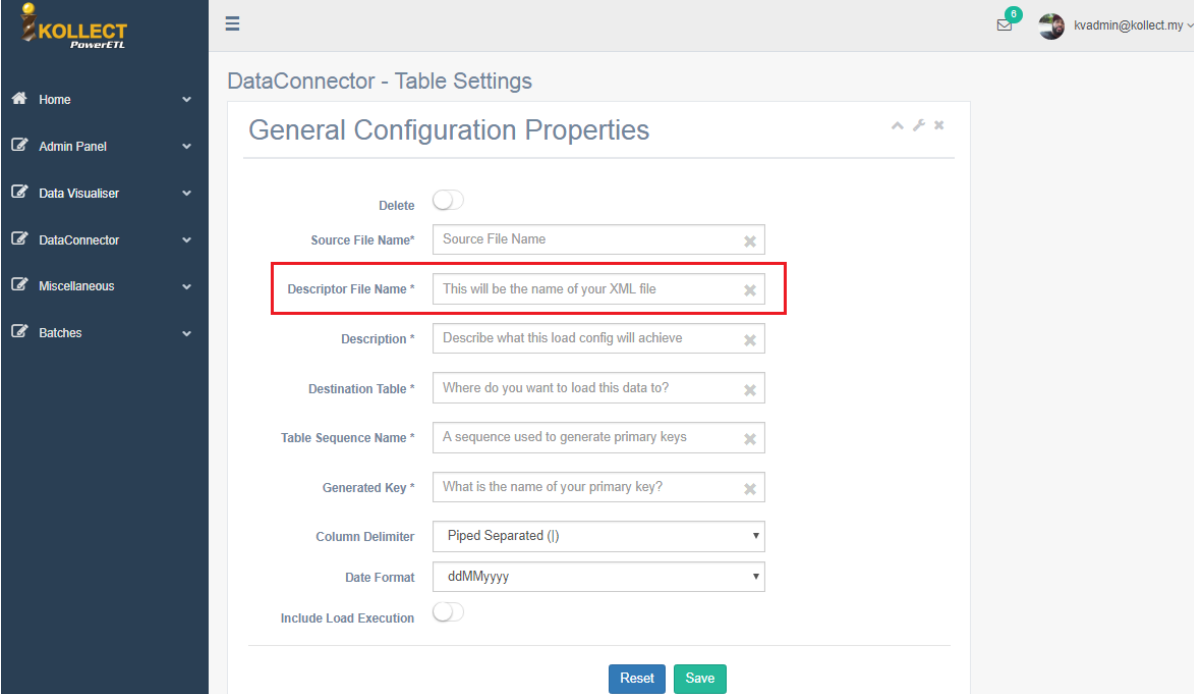


This screenshot is identical to the previous one, but the 'Source File Name\*' text field is highlighted with a red rectangular border to draw attention to it. The rest of the interface, including the sidebar, other form fields, and buttons, remains the same.

Figure 3: General Settings - Source File Name

Insert the Source File Name in full to this field. Also remember to include the extension type of the file, into this field.

## Descriptor File Name



The screenshot displays the KOLLECT PowerETL web application interface. On the left is a dark blue sidebar with navigation links: Home, Admin Panel, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main content area is titled 'DataConnector - Table Settings' and contains a 'General Configuration Properties' form. The form includes several fields: 'Source File Name' (containing 'Source File Name'), 'Descriptor File Name' (containing 'This will be the name of your XML file' and highlighted with a red circle), 'Description' (containing 'Describe what this load config will achieve'), 'Destination Table' (containing 'Where do you want to load this data to?'), 'Table Sequence Name' (containing 'A sequence used to generate primary keys'), 'Generated Key' (containing 'What is the name of your primary key?'), 'Column Delimiter' (a dropdown menu set to 'Piped Separated (|)'), and 'Date Format' (a dropdown menu set to 'ddMMyyyy'). There are also 'Delete' and 'Include Load Execution' toggle switches. At the bottom of the form are 'Reset' and 'Save' buttons. The top right of the interface shows a user profile for 'kvadmin@kollect.my'.

**Figure 4: General Settings - Descriptor File Name**

The Descriptor File Name is for the user to enter the name of the data file in this field, but without numbers or its extension. The value in this field will become the name of the XML file created.

## Description

The screenshot shows the 'DataConnector - Table Settings' interface. On the left is a dark blue sidebar with the 'KOLLECT PowerETL' logo and a menu with items: Home, Admin Panel, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main content area is titled 'DataConnector - Table Settings' and contains a 'General Configuration Properties' form. The form has several fields: 'Source File Name\*' (text input), 'Descriptor File Name\*' (text input), 'Description\*' (text input, highlighted with a red box), 'Destination Table\*' (text input), 'Table Sequence Name\*' (text input), 'Generated Key\*' (text input), 'Column Delimiter' (dropdown menu), 'Date Format' (dropdown menu), and 'Include Load Execution' (checkbox). At the bottom of the form are 'Reset' and 'Save' buttons. The user's email 'kvadmin@kollect.my' is visible in the top right corner.

**Figure 5: General Settings - Description**

In this field, the user is expected to fill up a short description of the file that is being loaded.

## Destination Table

This screenshot is identical to the one in Figure 5, showing the 'DataConnector - Table Settings' interface. However, in this version, the 'Destination Table\*' field is highlighted with a red box instead of the 'Description\*' field. The 'Description\*' field is now unhighlighted. All other elements, including the sidebar, form fields, and buttons, remain the same.

**Figure 6: General Settings - Destination Table**

All data files are eventually loaded into Kollect Database and in this Destination Table field, the user needs to specify the database table where the data will be loaded to.

## Table Sequence Name

The screenshot shows the Kollect PowerETL interface. On the left is a dark blue sidebar with navigation links: Home, Admin Panel, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main content area is titled 'DataConnector - Table Settings' and contains a 'General Configuration Properties' section. This section has several input fields: 'Source File Name' (with value 'Source File Name'), 'Descriptor File Name' (with value 'This will be the name of your XML file'), 'Description' (with value 'Describe what this load config will achieve'), 'Destination Table' (with value 'Where do you want to load this data to?'), 'Table Sequence Name' (with value 'A sequence used to generate primary keys'), 'Generated Key' (with value 'What is the name of your primary key?'), 'Column Delimiter' (with value 'Piped Separated (|)'), and 'Date Format' (with value 'ddMMyyyy'). There are also 'Delete' and 'Include Load Execution' toggle switches. At the bottom right of the form are 'Reset' and 'Save' buttons. The 'Table Sequence Name' field is highlighted with a red rectangular box.

**Figure 7: General Settings - Table Sequence Name**

The table sequence name specifies the sequence used to generate Primary Keys. Here, the user is supposed to enter the Database Table Name, followed by `_ID`.

## Generated Key

The screenshot shows the Kollect PowerETL interface. On the left is a dark blue sidebar with navigation links: Home, Admin Panel, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main content area is titled 'DataConnector - Table Settings' and contains a 'General Configuration Properties' form. The form includes several fields: 'Source File Name' (text input), 'Descriptor File Name' (text input), 'Description' (text input), 'Destination Table' (text input), 'Table Sequence Name' (text input), 'Generated Key' (text input, highlighted with a red circle), 'Column Delimiter' (dropdown menu), 'Date Format' (dropdown menu), and 'Include Load Execution' (checkbox). At the bottom of the form are 'Reset' and 'Save' buttons.

**Figure 8: General Settings - Generated Key**

The Generated Key specifies the name of the Primary Key column. In Kollect's Database Tables, the Primary Key Column is always the ID column and as such, this field's value is always, ID



## Column Delimiter

The screenshot shows the KOLLECT PowerETL interface. On the left is a dark blue sidebar with navigation links: Home, Admin Panel, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main content area is titled 'DataConnector - Table Settings' and contains a 'General Configuration Properties' section. This section includes several input fields and a dropdown menu. The 'Column Delimiter' dropdown is highlighted with a red rectangle and is currently set to 'Piped Separated (|)'. Other fields include 'Source File Name', 'Descriptor File Name', 'Description', 'Destination Table', 'Table Sequence Name', 'Generated Key', 'Date Format', and 'Include Load Execution'.

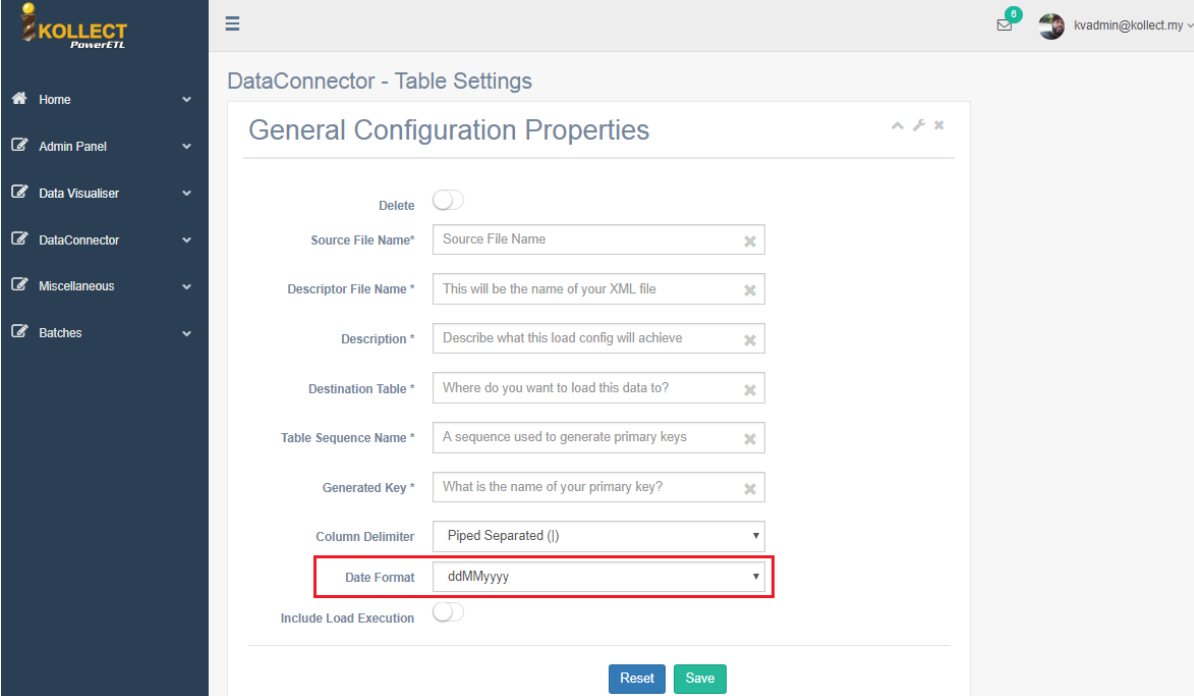
Field	Value
Delete	<input type="checkbox"/>
Source File Name *	Source File Name
Descriptor File Name *	This will be the name of your XML file
Description *	Describe what this load config will achieve
Destination Table *	Where do you want to load this data to?
Table Sequence Name *	A sequence used to generate primary keys
Generated Key *	What is the name of your primary key?
Column Delimiter	Piped Separated ( )
Date Format	ddMMyyyy
Include Load Execution	<input type="checkbox"/>

Reset Save

**Figure 9: General Settings - Column Delimiter**

The Column Delimiter dropdown is to specify how the data is separated in the Data File, and it would be either Comma ( , ) or Pipe ( | ) so the user is required to select how the data is separated.

## Date Format



The screenshot displays the 'DataConnector - Table Settings' interface. On the left is a dark sidebar with navigation links: Home, Admin Panel, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main content area is titled 'DataConnector - Table Settings' and contains a 'General Configuration Properties' section. This section includes a 'Delete' toggle, several text input fields with asterisks indicating required fields, a 'Column Delimiter' dropdown, and a 'Date Format' dropdown. The 'Date Format' dropdown is highlighted with a red rectangle, showing 'ddMMyyyy' as the selected option. At the bottom of the form are 'Reset' and 'Save' buttons. The top right of the interface shows a user profile for 'kvadmin@kollect.my'.

**Figure 10: General Settings - Date Format**

The Date Format here is to specify how dates are formatted in the data file received from the tenant. Date Format Options are selectable by the drop down menu, however the most commonly used date format is ddMMyyyy.

## Include Load Execution

**DataConnector - Table Settings**

**General Configuration Properties**

Delete ☐

Source File Name\*

Descriptor File Name\*

Description\*

Destination Table\*

Table Sequence Name\*

Generated Key\*

Column Delimiter

Date Format

**Include Load Execution** ☐

**Figure 11: General Settings - Include Load Execution**

The user is required to switch this button ON.

## Parent Table Settings

**Parent Table Settings**

Show  entries

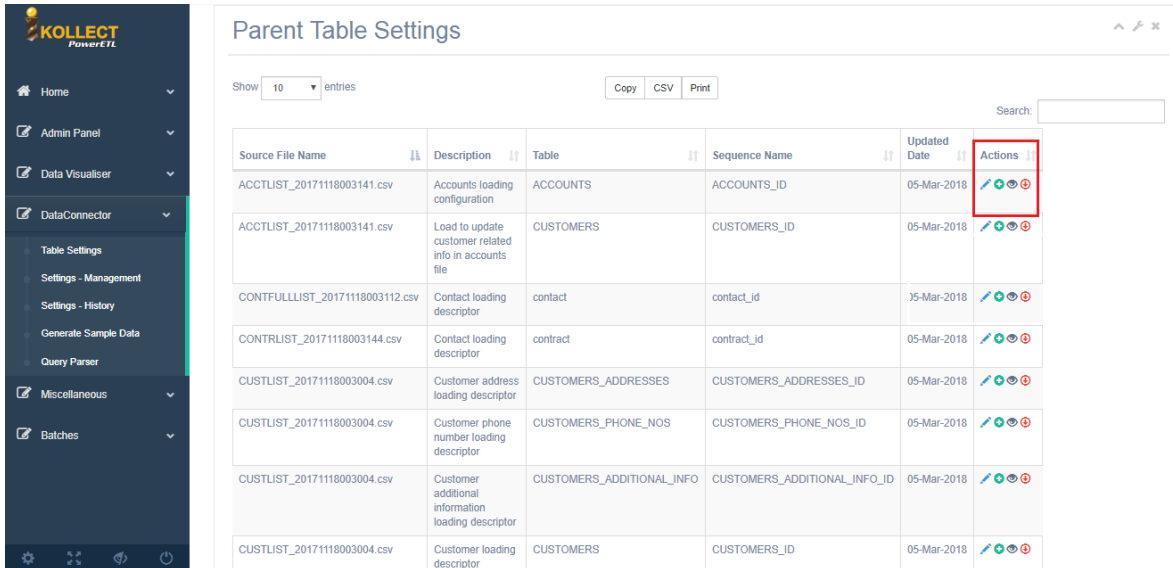
Search:

Source File Name	Description	Table	Sequence Name	Updated Date	Actions
ACCTLIST_20171118003141.csv	Accounts loading configuration	ACCOUNTS	ACCOUNTS_ID	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>
ACCTLIST_20171118003141.csv	Load to update customer related info in accounts file	CUSTOMERS	CUSTOMERS_ID	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>
CONTFULLIST_20171118003112.csv	Contact loading descriptor	contact	contact_id	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>
CONTRLIST_20171118003144.csv	Contact loading descriptor	contract	contract_id	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>
CUSTLIST_20171118003004.csv	Customer address loading descriptor	CUSTOMERS_ADDRESSES	CUSTOMERS_ADDRESSES_ID	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>
CUSTLIST_20171118003004.csv	Customer phone number loading descriptor	CUSTOMERS_PHONE_NOS	CUSTOMERS_PHONE_NOS_ID	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>
CUSTLIST_20171118003004.csv	Customer additional information loading descriptor	CUSTOMERS_ADDITIONAL_INFO	CUSTOMERS_ADDITIONAL_INFO_ID	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>
CUSTLIST_20171118003004.csv	Customer loading descriptor	CUSTOMERS	CUSTOMERS_ID	05-Mar-2018	<a href="#">🔍</a> <a href="#">🔄</a> <a href="#">🗑️</a>

**Figure 12: Parent Table Settings**

Once all the fields are filled, the user can click save and move on to the next file or to inserting the columns. The user can scroll down to view what they have saved in the Parent Table Settings. In this table, users are also given a list of

actions that can be taken. These actions are Edit, Add Fields, Preview DC Configuration File and lastly, Download DC Configuration File. To continue the loading process, users can click the plus(Add) icon to begin inserting the details of each column. To find the desired table, a user can also enter a search term in the search bar on the top right of the table to find the desired table to insert.




The screenshot displays the 'Parent Table Settings' interface. On the left is a dark sidebar with the 'KOLLECT PowerETL' logo and a menu including Home, Admin Panel, Data Visualiser, DataConnector, Table Settings, Settings - Management, Settings - History, Generate Sample Data, Query Parser, Miscellaneous, and Batches. The main area is titled 'Parent Table Settings' and features a table with columns: Source File Name, Description, Table, Sequence Name, Updated Date, and Actions. The 'Actions' column is highlighted with a red box, showing icons for edit, add, preview, and download. Above the table are controls for 'Show 10 entries', 'Copy', 'CSV', 'Print', and a 'Search' bar.

Source File Name	Description	Table	Sequence Name	Updated Date	Actions
ACCTLIST_20171118003141.csv	Accounts loading configuration	ACCOUNTS	ACCOUNTS_ID	05-Mar-2018	[Edit] [Add] [Preview] [Download]
ACCTLIST_20171118003141.csv	Load to update customer related info in accounts file	CUSTOMERS	CUSTOMERS_ID	05-Mar-2018	[Edit] [Add] [Preview] [Download]
CONTFULLLIST_20171118003112.csv	Contact loading descriptor	contact	contact_id	15-Mar-2018	[Edit] [Add] [Preview] [Download]
CONTRLIST_20171118003144.csv	Contact loading descriptor	contract	contract_id	05-Mar-2018	[Edit] [Add] [Preview] [Download]
CUSTLIST_20171118003004.csv	Customer address loading descriptor	CUSTOMERS_ADDRESSES	CUSTOMERS_ADDRESSES_ID	05-Mar-2018	[Edit] [Add] [Preview] [Download]
CUSTLIST_20171118003004.csv	Customer phone number loading descriptor	CUSTOMERS_PHONE_NOS	CUSTOMERS_PHONE_NOS_ID	05-Mar-2018	[Edit] [Add] [Preview] [Download]
CUSTLIST_20171118003004.csv	Customer additional information loading descriptor	CUSTOMERS_ADDITIONAL_INFO	CUSTOMERS_ADDITIONAL_INFO_ID	05-Mar-2018	[Edit] [Add] [Preview] [Download]
CUSTLIST_20171118003004.csv	Customer loading descriptor	CUSTOMERS	CUSTOMERS_ID	05-Mar-2018	[Edit] [Add] [Preview] [Download]

**Figure 13: Parent Table Settings - Actions**

# Configuration - Add



- Home
- Data Visualiser
- DataConnector
- Miscellaneous
- Batches

## DataConnector

### Configuration - Add

☐ Delete

Table Name \* ACCOUNTS

Parent Id \* 60

Column Name \*

Remark \*

Column Default Value \*

Column Start Position \*

Column End Position \*

Column Data Handler

Column Properties
 

☐ Column Is Key
 ☐ Column Is External
 ☐ Column Is Optional
 ☐ Column Is Cached

Look Up Query

Look Insert Query

Look Insert Key Query

### Configuration Table

Show 10 entries

Search:

Column Name	Default Value	Start Position	End Position	Data Handler	Is Key	Is External	Is Optional	Is Cached
ACCOUNT_GROUP_ID	0	0	0	Long Handler	false	false	false	false
ACCOUNT_NO	-	1	1	String Handler	true	false	false	false
ACCOUNT_NO	-	0	0	Long Handler	false	false	false	false
COMPANY_CODE	0	0	0	Long Handler	false	false	false	false
CREATED_AT	CURRENT_DATE	0	0	Date Default Handler	false	false	false	false
CREATED_BY	100	0	0	Long Handler	false	false	false	false
CUSTOMER_ID	0	1	1	Long Handler	false	false	false	false
HOST_ACCOUNT_NO	-	0	0	String Handler	false	false	false	false
IMPORT_ID	501	0	0	Long Handler	false	false	false	false
STATUS_ID	501	0	0	Long Handler	false	false	false	false

Showing 1 to 10 of 14 entries

KollecValley - YYC by Kollec Systems Sdn. Bhd

**Figure 14: Configuration Page**

Here the user needs to insert details of the first column, then click save, then start inserting details on the second column and so on.

## Table Name

**DataConnector**

### Configuration - Add

Delete ☐

Table Name \* ACCOUNTS

Parent Id \* 60

Column Name \* Column Name ✕

Remark \* Remark ✕

Column Default Value \* Column Default Value ✕

Column Start Position \* Enter Start Position

Column End Position \* Enter End Position

Column Data Handler Long Handler ▼

Column Properties

- ☐ Column Is Key
- ☐ Column Is External
- ☐ Column Is Optional
- ☐ Column Is Cached

Look Up Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Look Insert Query INSERT INTO #subsidiary\_id# ("") VALUES ("") ✕  
validate

Look Insert Key Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Reset Save

**Figure 15: Add - Table Name**

The name reflected in this field should be the name of the Table in which these columns are going into. This is a read only field

## Parent ID

The screenshot shows the 'DataConnector Configuration - Add' form. The 'Parent Id' field is highlighted with a red box and contains the value '60'. The form includes various other fields and options for configuring a data connector.

**DataConnector Configuration - Add**

Delete ☐

Table Name \* ACCOUNTS

Parent Id \* 60

Column Name \* Column Name ✕

Remark \* Remark ✕

Column Default Value \* Column Default Value ✕

Column Start Position \* Enter Start Position

Column End Position \* Enter End Position

Column Data Handler Long Handler ▼

Column Properties

- ☐ Column Is Key
- ☐ Column Is External
- ☐ Column Is Optional
- ☐ Column Is Cached

Look Up Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Look Insert Query INSERT INTO #subsidiary\_id# ("") VALUES ("") ✕  
validate

Look Insert Key Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Reset Save

**Figure 16: Add - Parent ID**

This field displays the Parent ID that is associated to the table. This is a read only field

## Column Name

The screenshot shows the 'DataConnector Configuration - Add' form in the KOLLECT PowerETL application. The left sidebar contains navigation links: Home, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main form area is titled 'DataConnector Configuration - Add' and includes the following fields and controls:

- Delete:** A toggle switch.
- Table Name \*:** A text input field containing 'ACCOUNTS'.
- Parent Id \*:** A text input field containing '60'.
- Column Name \*:** A text input field containing 'Column Name', which is highlighted with a red rectangular box.
- Remark \*:** A text input field containing 'Remark'.
- Column Default Value \*:** A text input field containing 'Column Default Value'.
- Column Start Position \*:** A text input field containing 'Enter Start Position'.
- Column End Position \*:** A text input field containing 'Enter End Position'.
- Column Data Handler:** A dropdown menu with 'Long Handler' selected.
- Column Properties:** Four toggle switches for 'Column Is Key', 'Column Is External', 'Column Is Optional', and 'Column Is Cached', all currently turned off.
- Look Up Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#', with a 'validate' link below it.
- Look Insert Query:** A text input field containing 'INSERT INTO #subsidiary\_id# ("") VALUES ("")', with a 'validate' link below it.
- Look Insert Key Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#', with a 'validate' link below it.

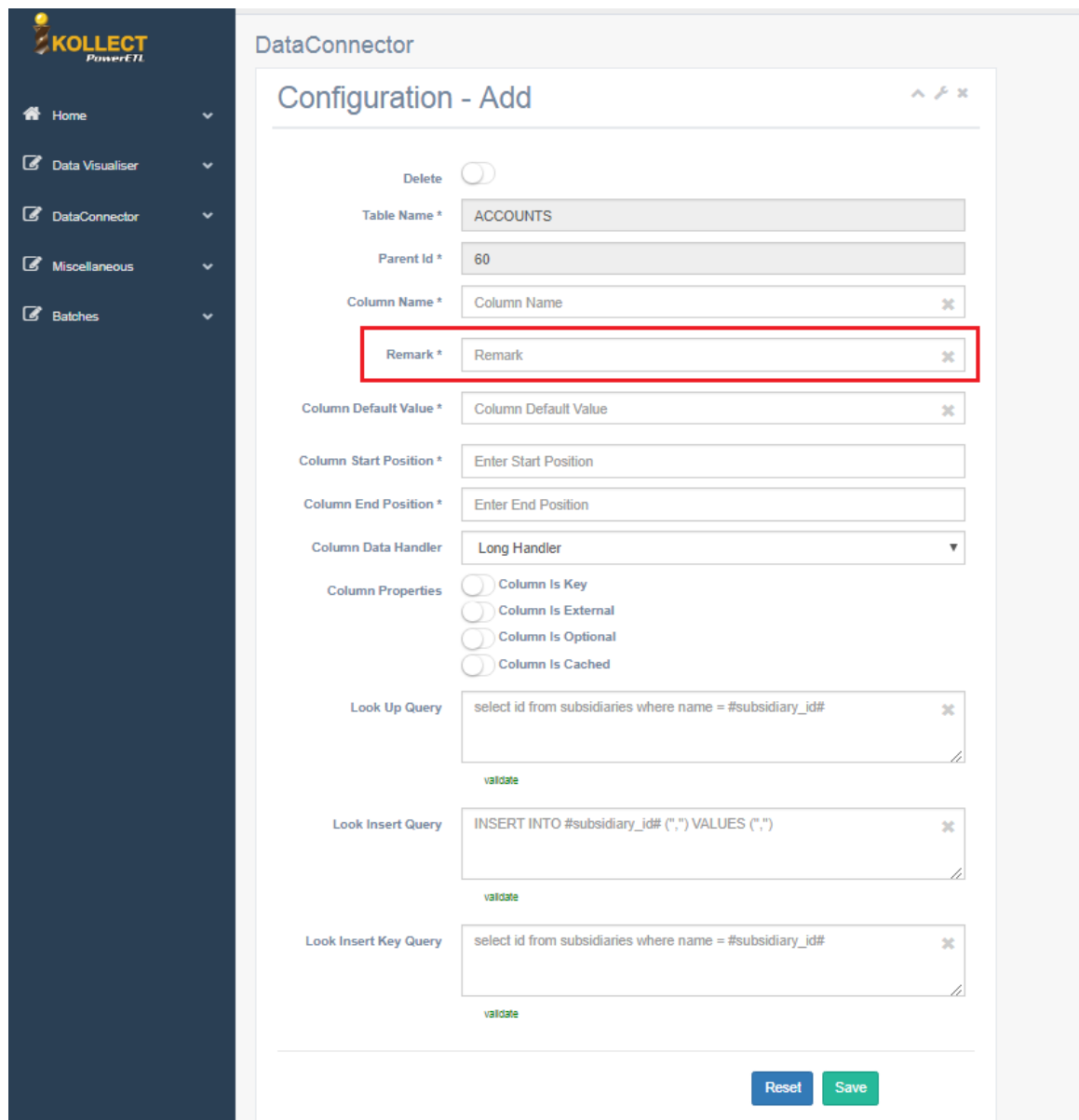
At the bottom right of the form are two buttons: 'Reset' (blue) and 'Save' (green).

**Figure 17: Add - Column Name**

The Column Name field as it is named, is to insert the column name that the user would wish to load.



## Remark



The screenshot shows the 'DataConnector Configuration - Add' form. The left sidebar contains navigation links: Home, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main form area has the following fields and controls:

- Delete:** A toggle switch.
- Table Name \*:** A text input field containing 'ACCOUNTS'.
- Parent Id \*:** A text input field containing '60'.
- Column Name \*:** A text input field containing 'Column Name'.
- Remark \*:** A text input field containing 'Remark', which is highlighted with a red rectangular box.
- Column Default Value \*:** A text input field containing 'Column Default Value'.
- Column Start Position \*:** A text input field containing 'Enter Start Position'.
- Column End Position \*:** A text input field containing 'Enter End Position'.
- Column Data Handler:** A dropdown menu with 'Long Handler' selected.
- Column Properties:** Four toggle switches for 'Column Is Key', 'Column Is External', 'Column Is Optional', and 'Column Is Cached', all currently turned off.
- Look Up Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#', with a 'validate' link below it.
- Look Insert Query:** A text input field containing 'INSERT INTO #subsidiary\_id# ("") VALUES ("")', with a 'validate' link below it.
- Look Insert Key Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#', with a 'validate' link below it.

At the bottom right of the form are two buttons: 'Reset' and 'Save'.

**Figure 18: Add - Remark**

The user can fill any details about the column in the Remarks field such as its default value.

## Column Default Value

The screenshot shows the 'DataConnector Configuration - Add' form in the KOLLECT PowerETL application. The form includes a sidebar with navigation links: Home, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main form area contains the following fields and controls:

- Delete:** A toggle switch.
- Table Name \*:** A text input field containing 'ACCOUNTS'.
- Parent Id \*:** A text input field containing '60'.
- Column Name \*:** A text input field containing 'Column Name'.
- Remark \*:** A text input field containing 'Remark'.
- Column Default Value \*:** A text input field containing 'Column Default Value', which is highlighted with a red rectangular box.
- Column Start Position \*:** A text input field containing 'Enter Start Position'.
- Column End Position \*:** A text input field containing 'Enter End Position'.
- Column Data Handler:** A dropdown menu with 'Long Handler' selected.
- Column Properties:** Four toggle switches for 'Column Is Key', 'Column Is External', 'Column Is Optional', and 'Column Is Cached', all currently turned off.
- Look Up Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#', with a 'validate' link below it.
- Look Insert Query:** A text input field containing 'INSERT INTO #subsidiary\_id# ("") VALUES ("")', with a 'validate' link below it.
- Look Insert Key Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#', with a 'validate' link below it.

At the bottom right of the form are two buttons: 'Reset' and 'Save'.

**Figure 19: Add - Column Default Value**

In the database, there are many columns that do not allow for there to be a null or blank column. As such, we define certain default values in their absence. The Column Default Value field is to specify what value should be entered in the case that there is a null or blank column.

## Column Start Position

The screenshot shows the 'DataConnector Configuration - Add' form in the KolLECT PowerETL interface. The form includes various fields for configuring a data connector. The 'Column Start Position' field is highlighted with a red box, indicating its importance. The form also includes a 'Delete' toggle, 'Table Name', 'Parent Id', 'Column Name', 'Remark', 'Column Default Value', 'Column End Position', 'Column Data Handler', 'Column Properties' (with four toggle options), and three query fields: 'Look Up Query', 'Look Insert Query', and 'Look Insert Key Query'. At the bottom, there are 'Reset' and 'Save' buttons.

**KOLLECT PowerETL**

Home | Data Visualiser | DataConnector | Miscellaneous | Batches

**DataConnector**

**Configuration - Add**

Delete ☐

Table Name \* ACCOUNTS

Parent Id \* 60

Column Name \* Column Name ✕

Remark \* Remark ✕

Column Default Value \* Column Default Value ✕

**Column Start Position \*** Enter Start Position

Column End Position \* Enter End Position

Column Data Handler Long Handler ▼

Column Properties

- ☐ Column Is Key
- ☐ Column Is External
- ☐ Column Is Optional
- ☐ Column Is Cached

Look Up Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Look Insert Query INSERT INTO #subsidiary\_id# ("") VALUES ("") ✕  
validate

Look Insert Key Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Reset Save

**Figure 20: Add - Column Start Position**

The Column Start Position Field is where the user can input the column number from the Kollect Database, where the data is to be loaded. If it is to be loaded into the first Column of a Database Table, then the value here would be 1. If it is to be loaded into the second Column of a Database Table, the value would then be 2.

## Column End Position

The screenshot shows the 'Configuration - Add' form for the DataConnector. The form includes various input fields and checkboxes. The 'Column End Position' field is highlighted with a red box, indicating it is the focus of the figure. The form also includes a 'Delete' toggle, 'Table Name', 'Parent Id', 'Column Name', 'Remark', 'Column Default Value', 'Column Start Position', 'Column End Position', 'Column Data Handler', 'Column Properties' (with checkboxes for 'Column Is Key', 'Column Is External', 'Column Is Optional', and 'Column Is Cached'), 'Look Up Query', 'Look Insert Query', and 'Look Insert Key Query'. At the bottom, there are 'Reset' and 'Save' buttons.

**KOLLECT PowerETL**

Home

Data Visualiser

DataConnector

Miscellaneous

Batches

DataConnector

Configuration - Add

Delete ☐

Table Name \* ACCOUNTS

Parent Id \* 60

Column Name \* Column Name

Remark \* Remark

Column Default Value \* Column Default Value

Column Start Position \* Enter Start Position

Column End Position \* Enter End Position

Column Data Handler Long Handler

Column Properties

☐ Column Is Key

☐ Column Is External

☐ Column Is Optional

☐ Column Is Cached

Look Up Query select id from subsidiaries where name = #subsidiary\_id#

validate

Look Insert Query INSERT INTO #subsidiary\_id# ("") VALUES ("")

validate

Look Insert Key Query select id from subsidiaries where name = #subsidiary\_id#

validate

Reset Save

**Figure 21: Add - Column End Position**

The Column End Position Field mirrors what was inserted into the Column Start Position Field. If the Column Start Position is 1, then the Column End Position would be 1.

## Column Data Handler

The screenshot shows the 'DataConnector Configuration - Add' form in the KOLLECT PowerETL application. The left sidebar contains navigation links: Home, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main form area is titled 'DataConnector Configuration - Add' and includes a 'Delete' toggle switch. The form fields are as follows:

- Table Name \***: ACCOUNTS
- Parent Id \***: 60
- Column Name \***: Column Name
- Remark \***: Remark
- Column Default Value \***: Column Default Value
- Column Start Position \***: Enter Start Position
- Column End Position \***: Enter End Position
- Column Data Handler**: Long Handler (highlighted with a red box)
- Column Properties**:
  - ☐ Column Is Key
  - ☐ Column Is External
  - ☐ Column Is Optional
  - ☐ Column Is Cached
- Look Up Query**: select id from subsidiaries where name = #subsidiary\_id#
- Look Insert Query**: INSERT INTO #subsidiary\_id# ("," ) VALUES ("," )
- Look Insert Key Query**: select id from subsidiaries where name = #subsidiary\_id#

At the bottom right of the form are 'Reset' and 'Save' buttons.

**Figure 22: Add - Column Data Handler**

The Column Data Handler is a dropdown which lists different data handlers that the user could choose from. The data handlers specified here should be the same as the data in the column to be loaded.

## Column Properties

- Home
- Data Visualiser
- DataConnector
- Miscellaneous
- Batches

### DataConnector

#### Configuration - Add

Delete ☐

Table Name \* ACCOUNTS

Parent Id \* 60

Column Name \* Column Name ✕

Remark \* Remark ✕

Column Default Value \* Column Default Value ✕

Column Start Position \* Enter Start Position

Column End Position \* Enter End Position

Column Data Handler Long Handler ▼

Column Properties

☐ Column Is Key  
☐ Column Is External  
☐ Column Is Optional  
☐ Column Is Cached

Look Up Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Look Insert Query INSERT INTO #subsidiary\_id# ("") VALUES ("") ✕  
validate

Look Insert Key Query select id from subsidiaries where name = #subsidiary\_id# ✕  
validate

Reset Save

Figure 23: Add - Column Properties

## Look Up Query

The screenshot shows the 'DataConnector Configuration - Add' form. The left sidebar contains navigation links: Home, Data Visualiser, DataConnector, Miscellaneous, and Batches. The main form area has the following fields and controls:

- Delete:** A toggle switch.
- Table Name \*:** A text input field containing 'ACCOUNTS'.
- Parent Id \*:** A text input field containing '60'.
- Column Name \*:** A text input field containing 'Column Name'.
- Remark \*:** A text input field containing 'Remark'.
- Column Default Value \*:** A text input field containing 'Column Default Value'.
- Column Start Position \*:** A text input field containing 'Enter Start Position'.
- Column End Position \*:** A text input field containing 'Enter End Position'.
- Column Data Handler:** A dropdown menu with 'Long Handler' selected.
- Column Properties:** Four toggle switches for 'Column Is Key', 'Column Is External', 'Column Is Optional', and 'Column Is Cached', all currently turned off.
- Look Up Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#'. This field is highlighted with a red rectangle.
- Look Insert Query:** A text input field containing 'INSERT INTO #subsidiary\_id# ("," ) VALUES ("," )'.
- Look Insert Key Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#'.

At the bottom right of the form are two buttons: 'Reset' and 'Save'.

Figure 24: Add - Look Up Query

## Look Insert Query

Home

Data Visualiser

DataConnector

Miscellaneous

Batches

DataConnector

Configuration - Add

Delete ☐

Table Name \* ACCOUNTS

Parent Id \* 60

Column Name \* Column Name

Remark \* Remark

Column Default Value \* Column Default Value

Column Start Position \* Enter Start Position

Column End Position \* Enter End Position

Column Data Handler Long Handler

Column Properties

☐ Column Is Key

☐ Column Is External

☐ Column Is Optional

☐ Column Is Cached

Look Up Query select id from subsidiaries where name = #subsidiary\_id#

Look Insert Query INSERT INTO #subsidiary\_id# ("," ) VALUES ("," )

Look Insert Key Query select id from subsidiaries where name = #subsidiary\_id#

Reset

Save

Figure 25: Add - Look Insert Query



## Look Insert Key Query

The screenshot shows the 'DataConnector Configuration - Add' form. The form includes various fields for configuring a data connector. The 'Look Insert Key Query' field is highlighted with a red rectangular box. The form contains the following fields and controls:

- Delete:** A toggle switch.
- Table Name \*:** A text input field containing 'ACCOUNTS'.
- Parent Id \*:** A text input field containing '60'.
- Column Name \*:** A text input field containing 'Column Name'.
- Remark \*:** A text input field containing 'Remark'.
- Column Default Value \*:** A text input field containing 'Column Default Value'.
- Column Start Position \*:** A text input field containing 'Enter Start Position'.
- Column End Position \*:** A text input field containing 'Enter End Position'.
- Column Data Handler:** A dropdown menu with 'Long Handler' selected.
- Column Properties:** Four toggle switches for 'Column Is Key', 'Column Is External', 'Column Is Optional', and 'Column Is Cached'.
- Look Up Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#'.
- Look Insert Query:** A text input field containing 'INSERT INTO #subsidiary\_id# ("") VALUES ("")'.
- Look Insert Key Query:** A text input field containing 'select id from subsidiaries where name = #subsidiary\_id#'.

At the bottom of the form, there are 'Reset' and 'Save' buttons.

Figure 26: Add - Look Insert Key Query

## Configuration Table

Figure 27: