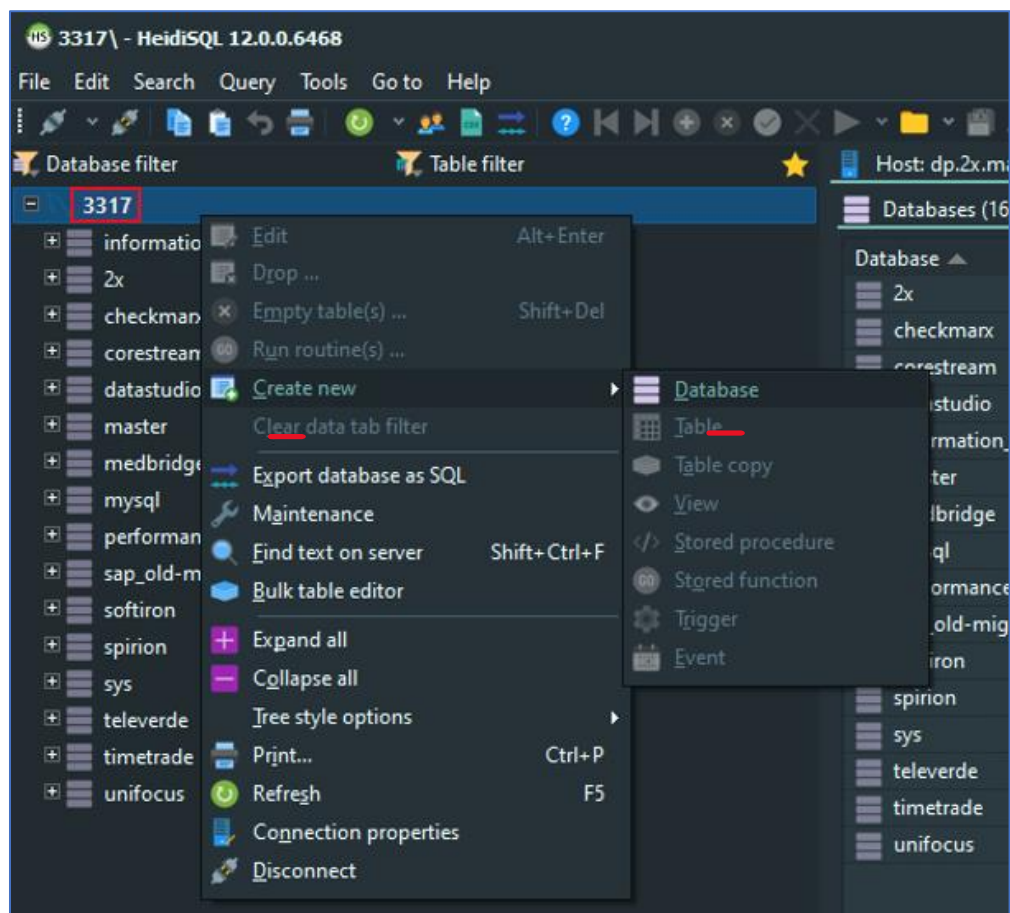


CSV2SQL Setup From Scratch

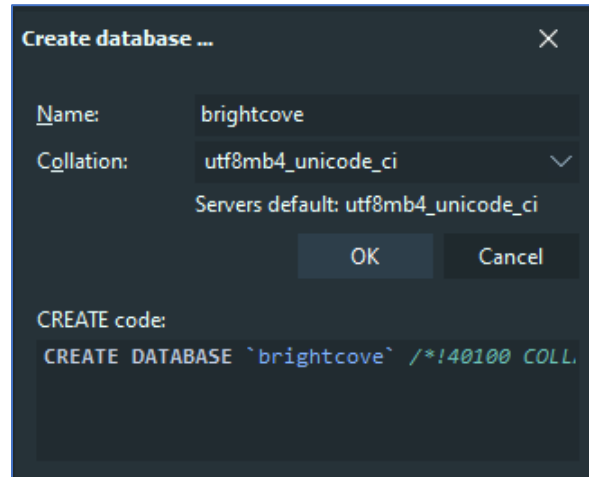
=====

Step 1 : Database in MySQL Playground

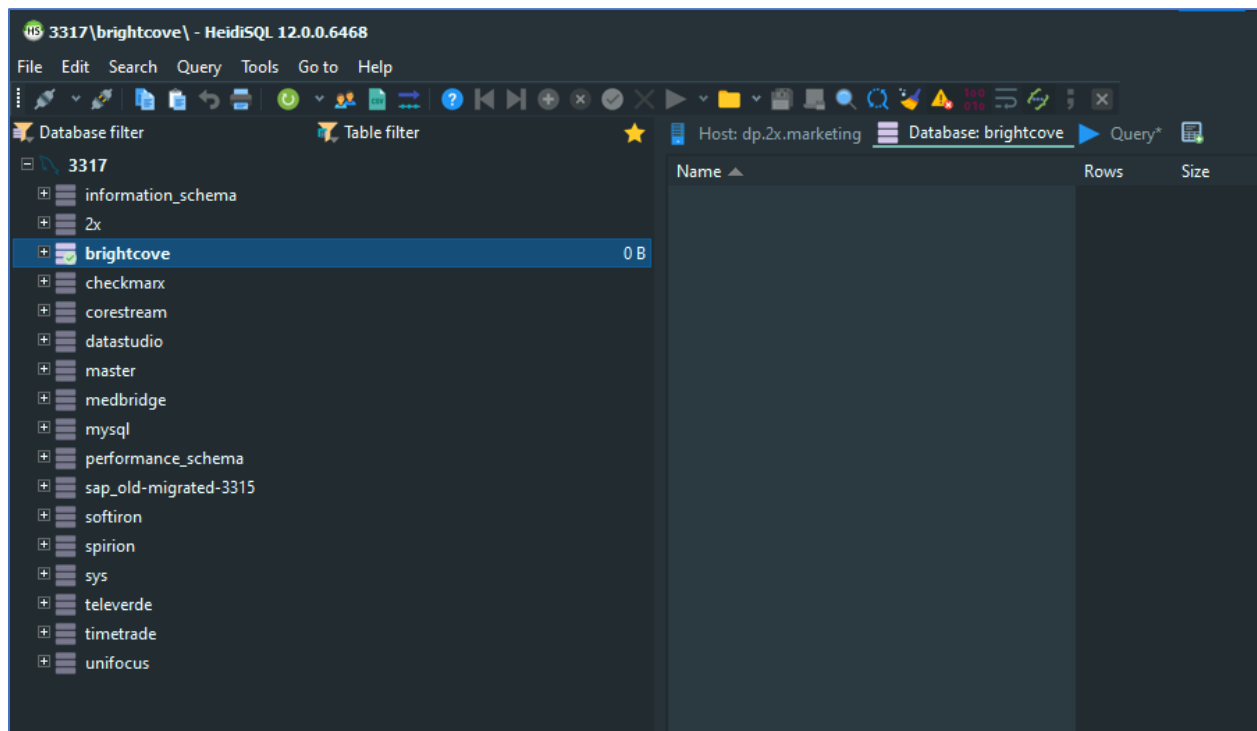
- Check if there is a database for client in Playground.
- If yes, proceed to Step 2.
- If no, create a database.
 - Right click the session name (uses a port number).
 - Select “Create New”.
 - Select “Database”.



- Insert name for database (convention: small letters, no space).



- Output: Database name will be listed on the right with no tables listed on the right.



Step 2 : Instance in CSV2SQL

- Check if there is an instance (tab) for client in CSV2SQL.
- If yes, proceed to Step 3.
- If no, create an instance (tab).
- Click “New CSV2SQL” button.

The screenshot displays the CSV2SQL application interface. At the top, there are navigation tabs: "SQL 2 PHP", "CSV 2 SQL", "Direct DB Load", and "DB Monitoring". A red arrow points to a "+ New CSV2SQL" button in the top right corner. Below the navigation, a grid of client instances is shown, each with a unique icon and a count in a blue circle. The clients listed include 2X (1), Aera (2), Botanacor (7), Checkmarx (11), Corcentric (3), Corestream (2), DigitalHands (8), eOriginal (34), FuelCycle (3), GBHI (1), Gibraltar (8), HRS (2), HRSoft (5), Hyland (15), Impartner (2), iSpot (2), Logically (5), LogicGate (1), MedBridge (6), Olympia (4), Pareto (9), PCS (1), persistent (1), Phoenix (16), Picus (3), Plume (13), Prospiant (2), Quantum (1), Rocket (1), SAP (9), Softiron (1), Spirion (5), TheLogicFactory (3), Wavestone (17), and Xcentric (1).

Below the client list, there are three input fields: "WISE Upload Job" with the value "2896", "Playground Port" with the value "3315", and "Playground Database" with the value "2x".

The main content area shows a detailed view for the "2X" client. It includes a "CSV" button and a dropdown menu set to "All" with "entries" next to it. A "Filter:" input field is also present. Below this is a table with the following data:

Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
Jean Wei Shum	bombora_surge_report	Bombora comprehensive surge report	Manage Fields	Auto Processing (15)	100	2022-07-11 17:20:06	Delete

At the bottom of the table view, it says "Showing 1 to 1 of 1 entries".

- In the “Describe” section:
 - Enter client name in “Client”, this will be the instance name.
 - Enter “setup” in “Type”.
 - Enter session number of the database in “Port”.
 - Enter database name in “Database”.

NEW ENTRY - STEP 1 OF 3

1 Describe 2 Attach 3 Confirm

Please describe your request

Client	<input type="text" value="Brightcove"/>
Type	<input type="text" value="setup"/>
Comments	<input type="text" value="Comments about this file, usage.etc"/>
Port	<input type="text" value="3317"/>
Database	<input type="text" value="brightcove"/>

[Continue >](#)

- In the “Attach” section, click the “Continue” button to skip.

NEW ENTRY - STEP 2 OF 3

1 Describe ✓ 2 Attach 3 Confirm

Attach csv, xlsx file

[+ Add files](#)

[< Back](#) [Continue >](#)

- In the “Confirm” page, click the “Confirm” button to complete the process.

NEW ENTRY - STEP 3 OF 3

1 Describe 2 Attach 3 Confirm

Confirm request

Client Brightcove
Type setup
Comments
Port 3317
Database brightcove
Attachments

< Back Submit ✓

- Output: The new instance will appear among the list of tabs, and there will be a single entry for it called “setup” when the tab is selected.

SQL 2 PHP CSV 2 SQL Direct DB Load DB Monitoring

+ New CSV2SQL

2X 1 Aera 2 Botanacor 7 **Brightcove 1** Checkmarx 11 Corcentric 3 Corestream 2 DigitalHands 8
 eOriginal 34 FuelCycle 3 GBHI 1 Gibraltar 8 HRS 2 HRSoft 5 Hyland 15 Impartner 2 iSpot 2
 Logically 5 LogicGate 1 MedBridge 8 Olympia 4 Pareto 9 PCS 1 persistent 1 Phoenix 16 Picus 3
 Plume 13 Premier 1 Prospiant 2 Quantum 1 Rocket 1 SAP 9 Softiron 1 Spirion 5
 TheLogicFactory 3 Wavestone 17 Xcentric 1

WISE Upload Job : 0 Playground Port : 3317 Playground Database : brightcove

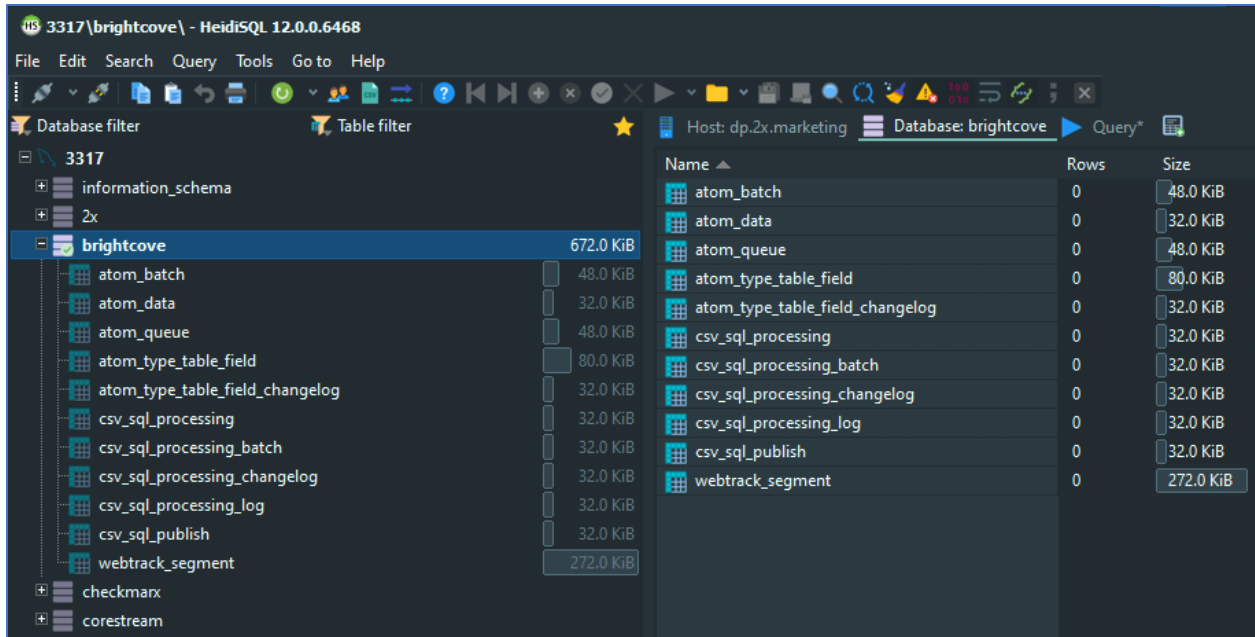
Brightcove CSV

All entries Filter:

Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
➔	setup		Manage Fields	Auto Processing (0)	100	N/A	Delete

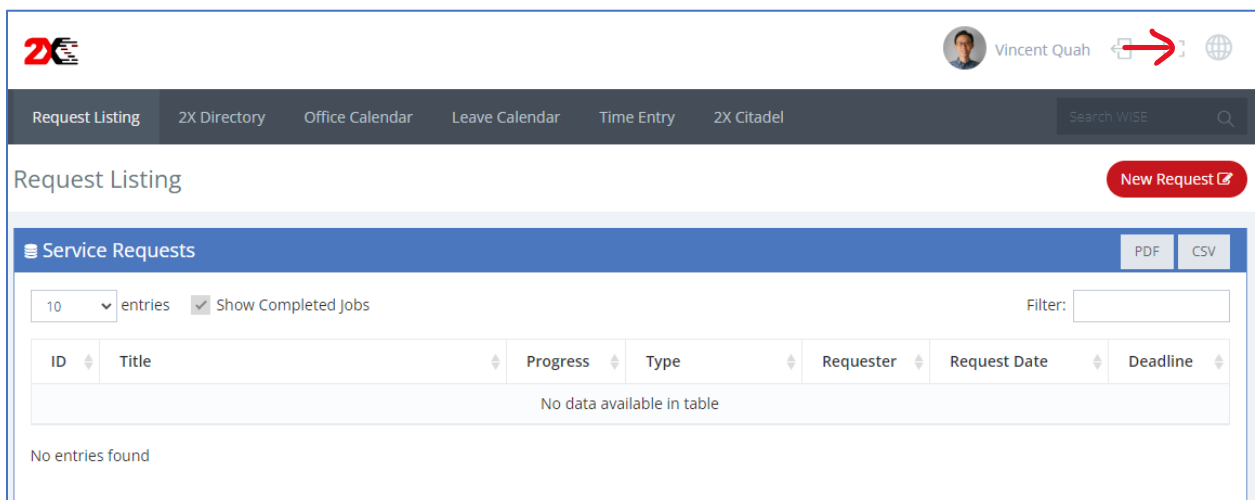
Showing 1 to 1 of 1 entries

- Output: There will be a set of new tables appearing in the Playground. These tables are mostly to log CSV2SQL activities.



Step 3 : Upload Ticket For CSV2SQL

- Check if there is a ticket named “CSV2SQL Upload” under client’s “Request Listing” page.
- If yes, proceed to Step 4.
- If no, create a ticket.
- Go to 2X Wise page and click the “globe” icon found at the top right.

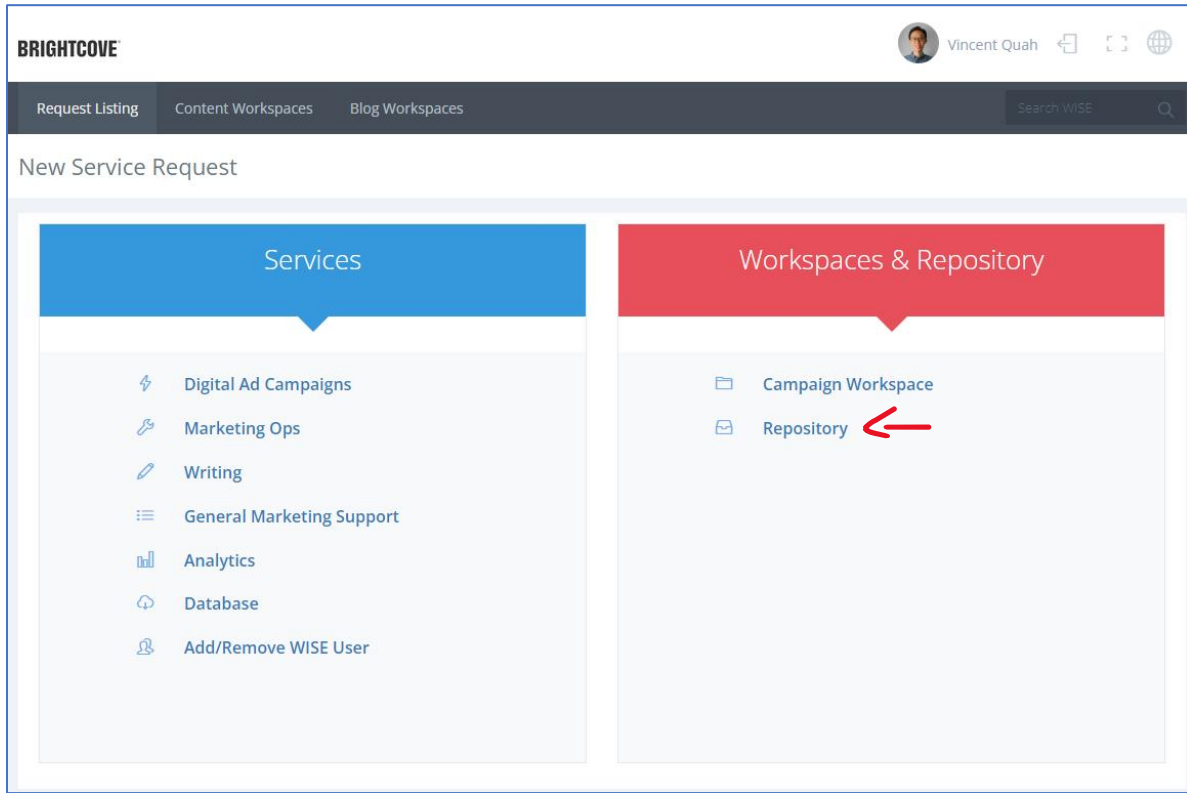


- Click the client of choice.

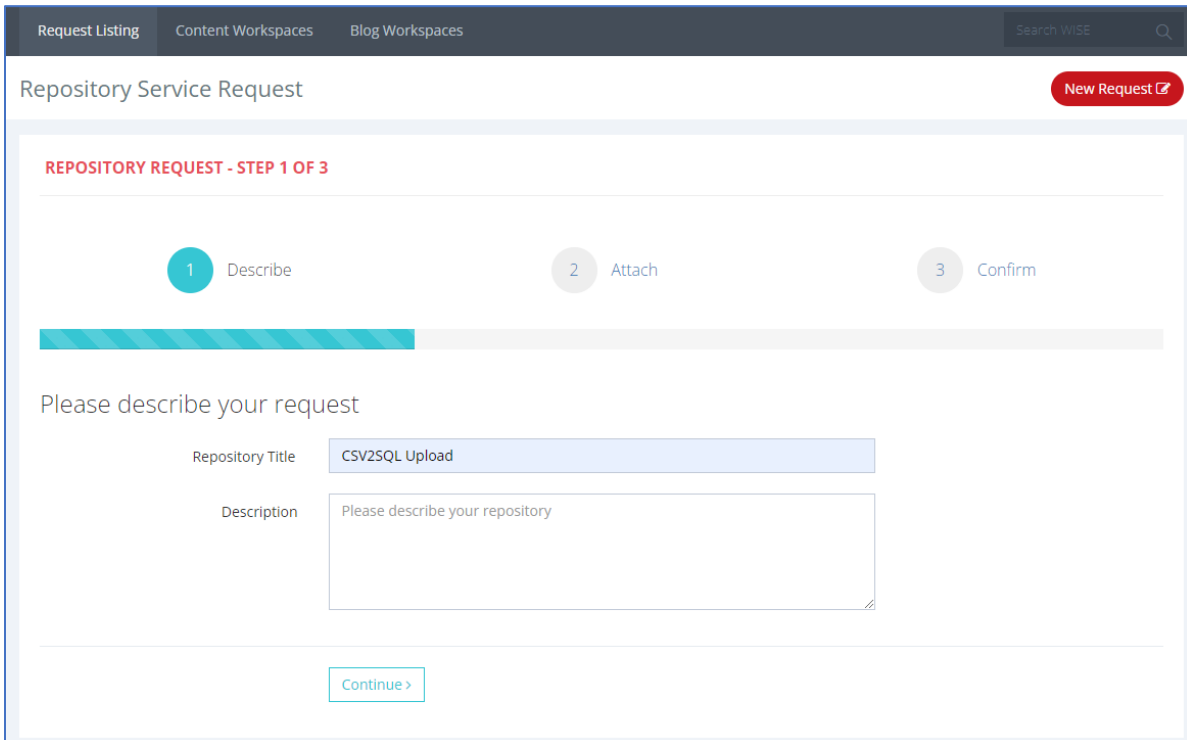
- Click the “New Request” button at the top right.

ID	Title	Progress	Type	Requester	Request Date	Deadline
11	Dynamic HTML5 Ads	50%	Digital Ad Campaigns	Michael Kesuma	Tue 26-Apr-2022 01:50:41	26-May-2022
10	Export Drift Playbooks transcript to be translated to other languages	80%	Marketing Ops	Amzar Yusuf	Fri 08-Apr-2022 12:01:26	08-May-2022
9	HTML5 Creatives	100%	Digital Ad Campaigns	Michael Kesuma	Wed 16-Mar-2022 16:45:45	15-Apr-2022
8	Kick-Off Deck Beautification	100%	General Marketing Support	Michael Kesuma	Wed 09-Feb-2022 02:47:01	09-Feb-2022

- Select the “Repository” option.



- In “Described” section, enter “CSV2SQL Upload” in “Repository Title”.



- In “Attach” section, click “Continue” button to skip.

The screenshot shows the 'Repository Service Request' form at Step 2 of 3, titled 'REPOSITORY REQUEST - STEP 2 OF 3'. The progress bar indicates that Step 1 (Describe) is complete, Step 2 (Attach) is the current step, and Step 3 (Confirm) is pending. The 'Attach' step is highlighted with a teal bar. Below the progress bar, the text 'Attach all relevant files' is displayed, followed by a '+ Add files' button. At the bottom of the form, there are '< Back' and 'Continue >' buttons.

- In “Confirm” section, click “Submit” button to complete the process.

The screenshot shows the 'Repository Service Request' form at Step 3 of 3, titled 'REPOSITORY REQUEST - STEP 3 OF 3'. The progress bar indicates that Step 1 (Describe) and Step 2 (Attach) are complete, and Step 3 (Confirm) is the current step. The 'Confirm' step is highlighted with a teal bar. Below the progress bar, the text 'Confirm request' is displayed. The form shows the following details:

- Repository Title**: CSV2SQL Upload
- Description**
- Attachment**

At the bottom of the form, there are '< Back' and 'Submit ✓' buttons.

- Output: You will be redirected to the upload ticket page with name of the upload ticket and its ID (for later use, described in a bit).

The screenshot shows the Brightcove user interface. At the top, the user is logged in as Vincent Quah. The navigation bar includes 'Request Listing', 'Content Workspaces', and 'Blog Workspaces'. The main content area is titled '12 - CSV2SQL Upload' and features a 'New Request' button. Below the title is a 'PROGRESS' section with a circular progress indicator showing 0% completion. The request details section includes fields for 'REPOSITORY-TITLE' (CSV2SQL Upload) and 'DESCRIPTION'. The 'PEOPLE INVOLVED' section lists Vincent Quah as the requester.

- Output: There will also be a new entry in the client's "Request Listing" page.

The screenshot shows the 'Workspaces' page with a table listing requests. The table has columns for ID, Title, Progress, Type, Requester, Request Date, and Deadline. A single entry is visible for ID 12, titled 'CSV2SQL Upload', with 0% progress and a deadline of 13-Aug-2022.

ID	Title	Progress	Type	Requester	Request Date	Deadline
12	CSV2SQL Upload	0%	Repository	Vincent Quah	Thu 14-Jul-2022 17:57:02	13-Aug-2022

Showing 1 to 1 of 1 entries

- Return to CSV2SQL tab and insert the upload ticket ID in the “WISE Upload Job” textbox. It will be “0” initially after creating the instance.

The screenshot shows the Brightcove CSV2SQL interface. At the top, there is a navigation bar with various company logos. Below this, the 'WISE Upload Job' field is set to '0', 'Playground Port' is '3317', and 'Playground Database' is 'brightcove'. The main content area is titled 'Brightcove' and contains a table with the following data:

Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
	setup		Manage Fields	Auto Processing (0)	100	N/A	Delete

Below the table, it says 'Showing 1 to 1 of 1 entries'.

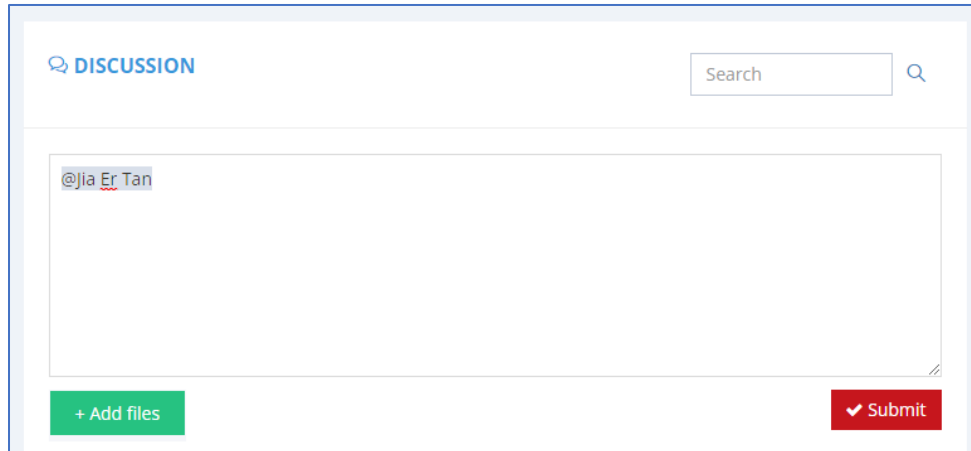
- After inserting the ID, “12” in this case, it is done. No “Save” button to click.

The screenshot shows the Brightcove CSV2SQL interface. At the top, there is a navigation bar with various company logos. Below this, the 'WISE Upload Job' field is set to '12', 'Playground Port' is '3317', and 'Playground Database' is 'brightcove'. The main content area is titled 'Brightcove' and contains a table with the following data:

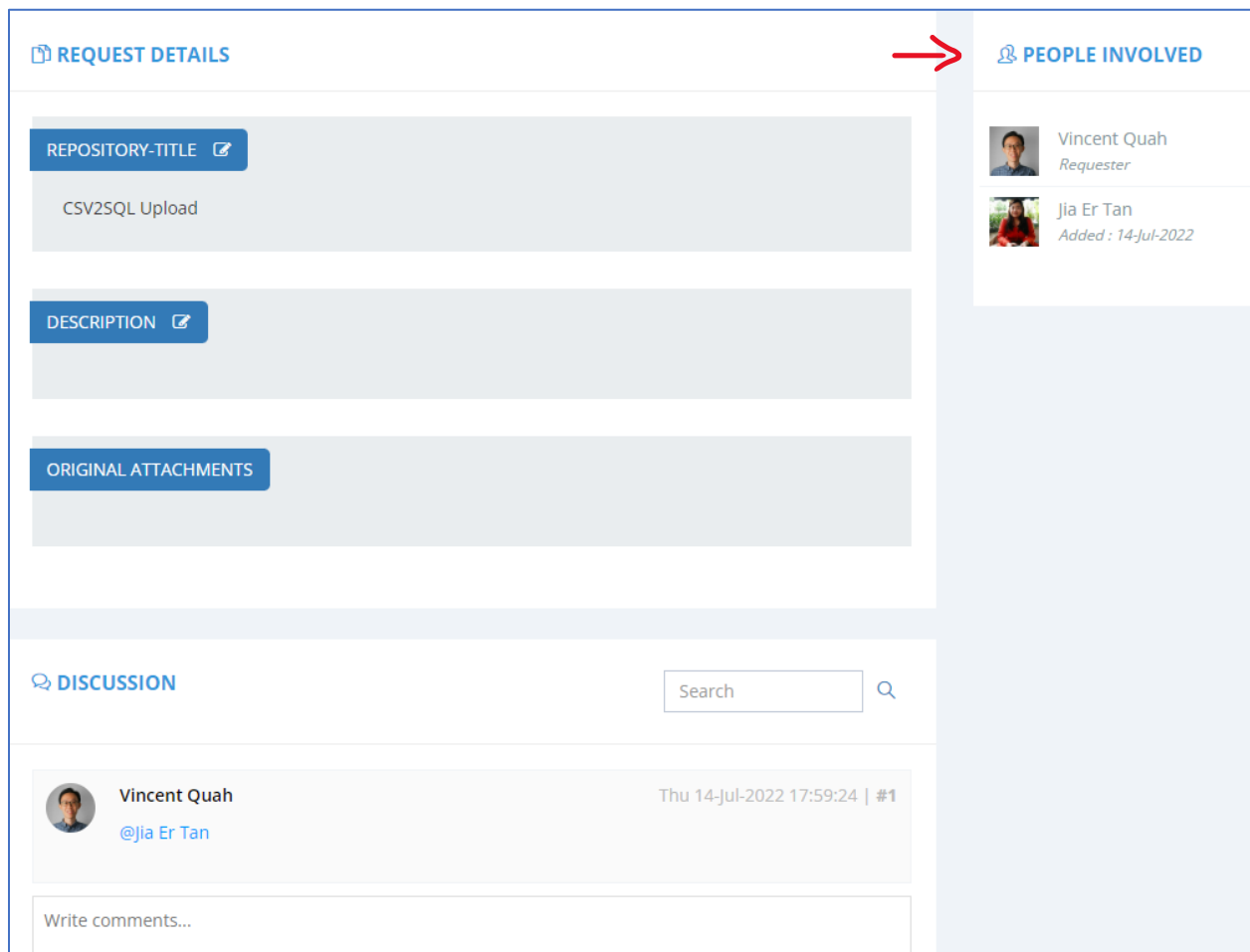
Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
	setup		Manage Fields	Auto Processing (0)	100	N/A	Delete

Below the table, it says 'Showing 1 to 1 of 1 entries'.


- Add people to this ticket, by commenting their name in the “Discussion” section of the upload ticket page. (Make sure to start with an alias; @)




- Output: The added person will appear in the “People Involved” section. Only people added can view this ticket.



REQUEST DETAILS


REPOSITORY-TITLE 


CSV2SQL Upload

DESCRIPTION 

ORIGINAL ATTACHMENTS


DISCUSSION


Search 

 Vincent Quah Thu 14-Jul-2022 17:59:24 | #1
@Jia Er Tan

Write comments...

PEOPLE INVOLVED

 Vincent Quah
Requester

 Jia Er Tan
Added : 14-Jul-2022

Step 4 : Create Table In CSV2SQL

- Prepare a CSV file containing the columns of the table listed like below.

	A	B	C	D	E	F	G	H	I
1	Campaign Group	Campaign Segment	Campaign Type	Campaign Region	PO Number	Campaign ID	Campaign Name	Accounts Targeted	
2									
3									

- Go to CSV2SQL and click the “New CSV2SQL” button on the top right.

The screenshot shows the CSV2SQL application interface. At the top, there are navigation tabs: SQL 2 PHP, CSV 2 SQL (selected), Direct DB Load, and DB Monitoring. On the right, there is a red button labeled '+ New CSV2SQL' with a red arrow pointing to it. Below the navigation, there is a list of clients with their respective counts: 2X (1), Aera (2), Botanacor (7), Brightcove (1), Checkmarx (11), Corcentric (3), Corestream (2), DigitalHands (8), eOriginal (34), FuelCycle (3), GBHI (1), Gibraltar (8), HRS (2), HRSoft (5), Hyland (15), Impartner (2), iSpot (2), Logically (5), LogicGate (1), MedBridge (8), Olympia (4), Pareto (9), PCS (1), persistent (1), Phoenix (16), Picus (3), Plume (13), Premier (1), Prospiant (2), Quantum (1), Rocket (1), SAP (9), Softiron (1), Spirion (5), TheLogicFactory (3), Wavestone (17), and Xcentric (1). Below the client list, there is a configuration section for the 'Brightcove' client. It includes fields for 'WISE Upload Job' (12), 'Playground Port' (3317), and 'Playground Database' (brightcove). Below this, there is a table titled 'Brightcove' with a 'CSV' tab. The table has columns: Owner, Type, Comments, Manage Fields, Auto Processing, Sequence, Data Updated, and Delete. The first row shows 'setup' in the Type column, 'Manage Fields' in the Manage Fields column, 'Auto Processing (0)' in the Auto Processing column, '100' in the Sequence column, and 'N/A' in the Data Updated column. The Delete column contains a 'Delete' button. Below the table, it says 'Showing 1 to 1 of 1 entries'.

- In the “Describe” section:
 - Enter instance name in “Client”
 - Enter table name in “Type”
 - * Table name will later be appended with “db” and separated by “_”
 - Enter session number in “Port”
 - Enter database name in “Database”

1 Describe 2 Attach 3 Confirm

Please describe your request

Client:

Type:

Comments:

Port:

Database:

[Continue >](#)

- In the Attach section, upload the CSV header file and click the “Continue” button to proceed.

NEW ENTRY - STEP 2 OF 3

1 Describe ✓ 2 Attach 3 Confirm

Attach csv, xlsx file

[+ Add files](#)

csv Brightcove Campaign Info Headers.csv
120 Bytes

[< Back](#) [Continue >](#)

- In the Confirm section, click the “Submit” button to complete the process.

NEW ENTRY - STEP 3 OF 3

1 Describe 2 Attach 3 Confirm

Confirm request

Client Brightcove

Type Campaign Info

Comments

Port 3317

Database brightcove

Attachments [2022-07-14-13-12-47]__Brightcove-Campaign-Info-Headers.csv

< Back Submit ✓

- Output: A new entry will be created under the selected client.
- Click the “Manage Fields” link for the newly created entry.

WISE Upload Job : 12 Playground Port : 3317 Playground Database : brightcove

Brightcove CSV

All entries Filter:

Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
Vincent Quah	Campaign Info		Manage Fields	Auto Processing (0)	100	N/A	Delete
	setup		Manage Fields	Auto Processing (0)	100	N/A	Delete

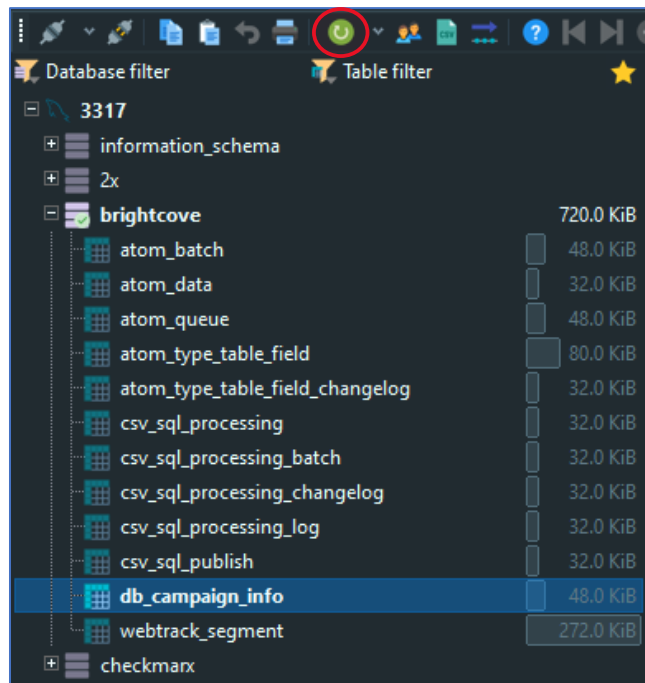
Showing 1 to 2 of 2 entries

- Identify the primary key for the table, the column where the values are unique for all rows of the table, the identifying column of the table.
- Select “Yes” in the drop-down list for the column to be the “Master Key”.
- Click the “Submit” button to complete the process.

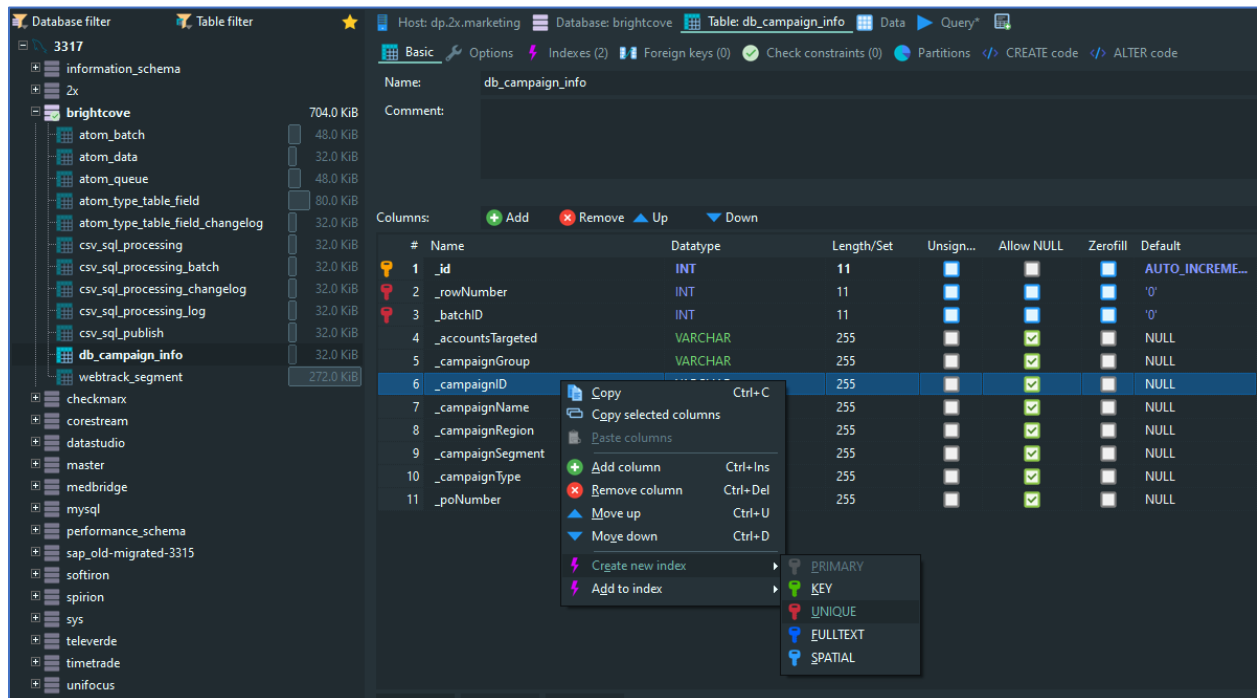
Table: Truncate On New Upload

Header	Table Field	Field Type	Is Master Key?
<input type="text" value="Accounts Targeted"/>	<input type="text" value="_accountsTargeted"/>	VARCHAR ▾	No ▾
<input type="text" value="Campaign Group"/>	<input type="text" value="_campaignGroup"/>	VARCHAR ▾	No ▾
<input type="text" value="Campaign ID"/>	<input type="text" value="_campaignID"/>	VARCHAR ▾	No ▾
<input type="text" value="Campaign Name"/>	<input type="text" value="_campaignName"/>	VARCHAR ▾	Yes ▾
<input type="text" value="Campaign Region"/>	<input type="text" value="_campaignRegion"/>	VARCHAR ▾	No ▾
<input type="text" value="Campaign Segment"/>	<input type="text" value="_campaignSegment"/>	VARCHAR ▾	No ▾
<input type="text" value="Campaign Type"/>	<input type="text" value="_campaignType"/>	VARCHAR ▾	No ▾
<input type="text" value="PO Number"/>	<input type="text" value="_poNumber"/>	VARCHAR ▾	No ▾

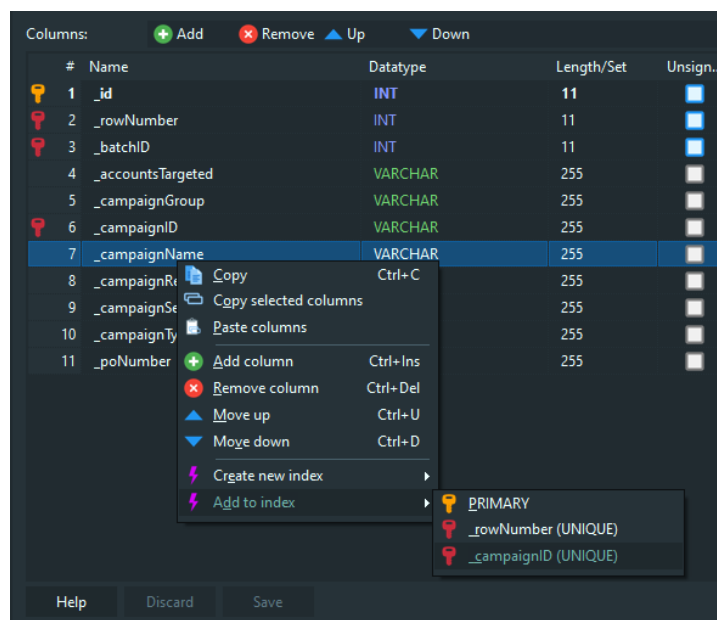
- Head to Playground, the table should appear on the left side among the list of tables. If not, click the “Refresh” icon to refresh the interface.



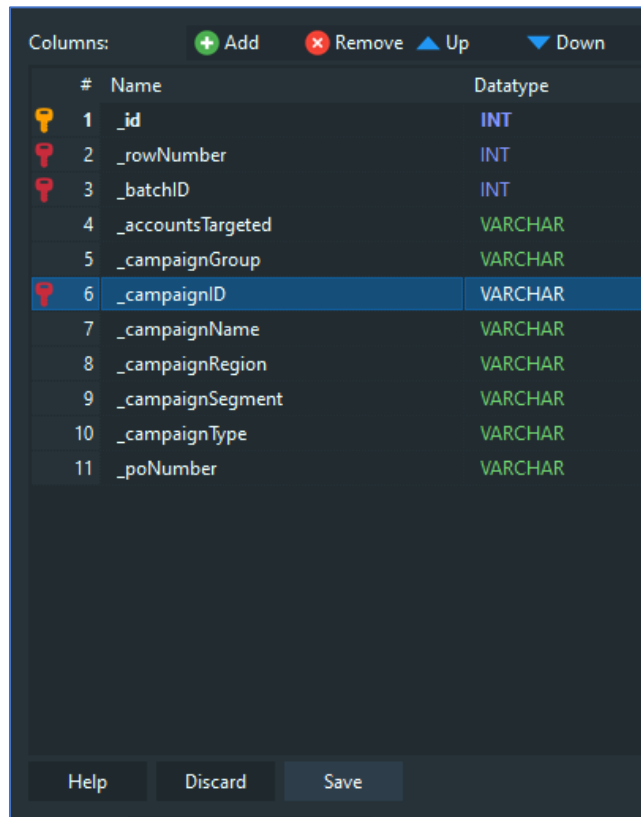
- Setting the “Master Key” continues in Playground too.
- Select the table and view the “Table: ...” tab.
- Right click the primary key column and select “Create New Index” followed by “UNIQUE”.



- If more than one column is needed to make a composite key (multiple columns primary key), then right click the other primary key column, and select “Add New Index” followed by the just created index.



- Output: There will be red key icon appearing beside the “Master Key”.
- Click the “Save” button below the column list, to save all edits.



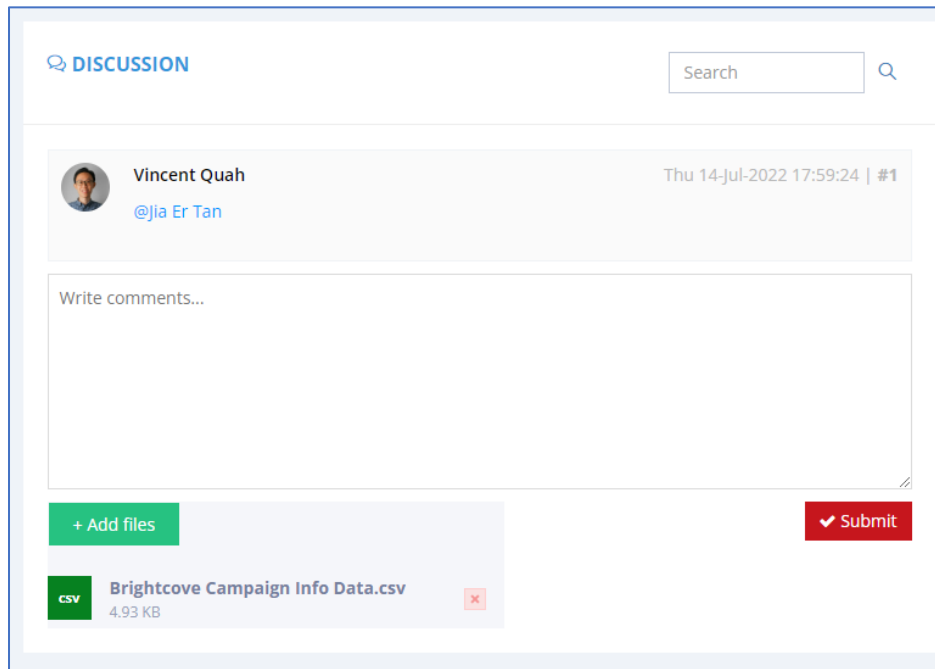
Step 5 : Upload Data In Upload Ticket

- Prepare a CSV file containing the header and data as seen below.

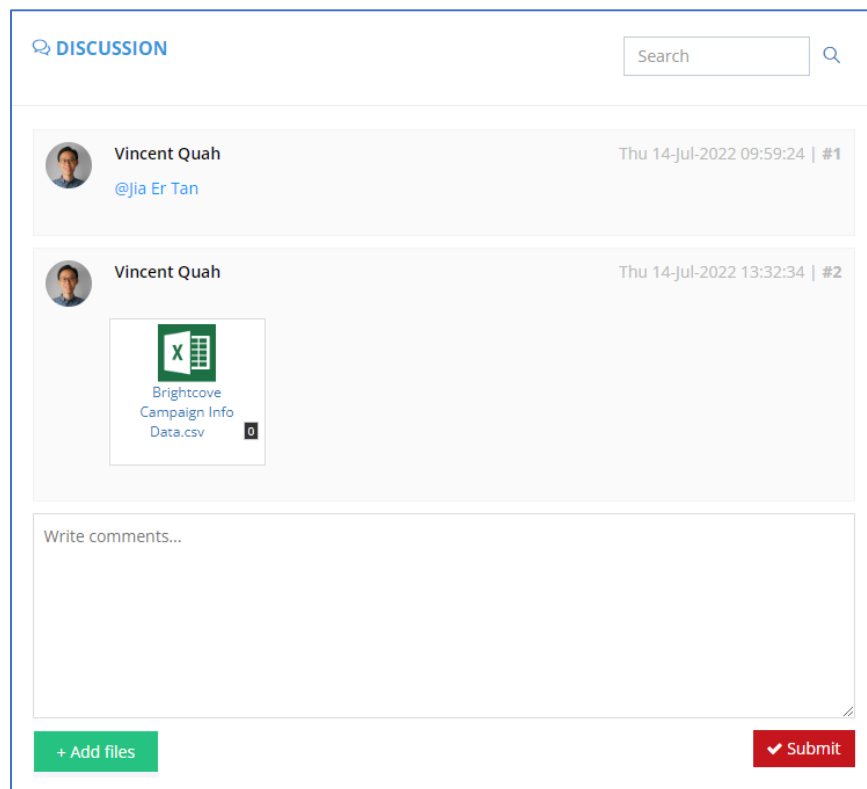
	A	B	C	D	E	F	G	H
1	Campaign Group	Campaign Segment	Campaign Type	Campaign Region	PO Number	Campaign ID	Campaign Name	Accounts Targeted
2	Press Play	Enterprise (Tech)	1: Many	EMEA	PO#2050	72930	2X_EMEA - Engage Display - ENG	1433
3	Press Play	Enterprise (Tech)	1: Many	EMEA	PO#2050	72929	2X_EMEA - Sell Display - ENG	3942
4	Press Play	Enterprise (Tech)	1: Many	EMEA	PO#2050	72928	2X_EMEA - Monetize Display - ENG	1910
5	Xsell	Marketing General	1: Many	Korea	PO#1965	69940	Korea - Named Accounts - Sell Products	133
6	Xsell	Marketing General	1: Many	Global	PO#1819	69925	2X_GM - Xsell - GeneralEnterprises - Marketplace	545

- Points to note:
 - The order of the columns doesn't matter in the CSV data file. CSV2SQL will match uploaded CSVs with tables based on the combination of columns alone.
 - Make sure the file is in CSV format and not XLSX format, or else odd data values will appear later in the table in Playground.

- Head over to the Upload Ticket and click the “Add Files” button to upload the CSV file.
- Click the “Submit” button to complete the process.



- The uploaded CSV will appear as a comment under the “Discussion” section.



- To check if the data has finished uploading,
 - Check the entry in CSV2SQL, the “Data Updated” column will show a recent timestamp when the upload has completed.

WISE Upload Job : Playground Port : Playground Database :

Brightcove CSV

All entries Filter:

Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
Vincent Quah	Campaign Info		Manage Fields	Auto Processing (0)	100	2022-07-15 05:35:01	Delete
	setup		Manage Fields	Auto Processing (0)	100	N/A	Delete

Showing 1 to 2 of 2 entries

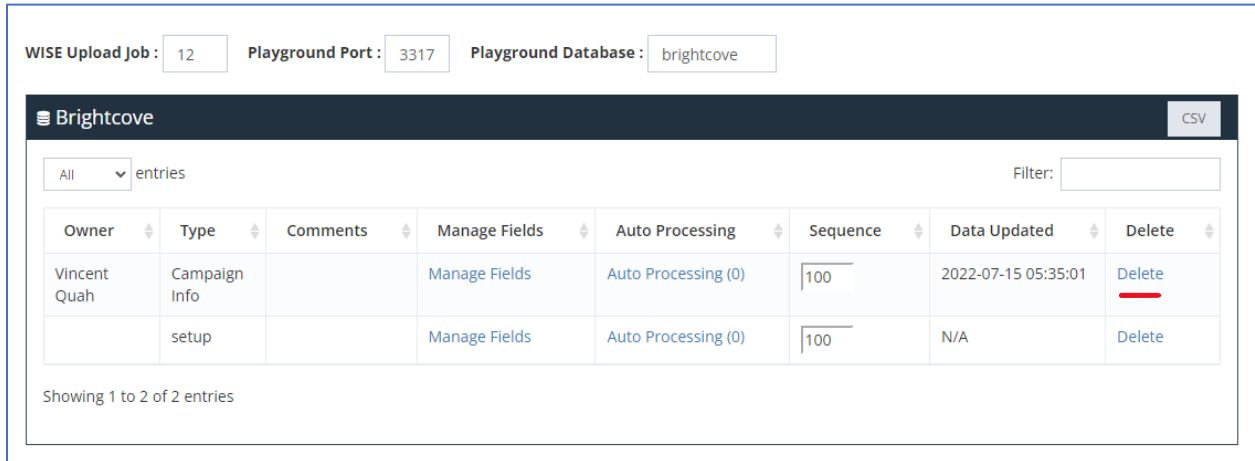
- Check the “Database: ...” tab in Playground. The “Updated” column should show a recent timestamp if the upload has finished.

Host: dp.2x.marketing Database: brightcove Table: db_campaign_info Data Query*

Name	Rows	Size	Created	Updated
atom_batch	1	48.0 KiB	2022-07-14 07:55:34	2022-07-14 13:35:01
atom_data	384	80.0 KiB	2022-07-14 07:55:34	2022-07-14 13:33:06
atom_queue	1	48.0 KiB	2022-07-14 07:55:34	2022-07-14 13:35:01
atom_type_table_field	8	80.0 KiB	2022-07-14 07:55:34	2022-07-14 13:14:48
atom_type_table_field_changelog	0	32.0 KiB	2022-07-14 07:55:34	2022-07-14 13:14:48
csv_sql_processing	0	32.0 KiB	2022-07-14 07:55:34	
csv_sql_processing_batch	0	32.0 KiB	2022-07-14 07:55:34	
csv_sql_processing_changelog	0	32.0 KiB	2022-07-14 07:55:34	
csv_sql_processing_log	0	32.0 KiB	2022-07-14 07:55:34	
csv_sql_publish	0	32.0 KiB	2022-07-14 07:55:34	
db_campaign_info	48	48.0 KiB	2022-07-14 13:17:49	2022-07-14 13:35:01
webtrack_segment	0	272.0 KiB	2022-07-14 07:55:34	

Extra : Deleting Table and Redoing Table

- To delete a table, first delete the entry in CSV2SQL by clicking the “Delete” link for that entry.



WISE Upload Job : 12 Playground Port : 3317 Playground Database : brightcove

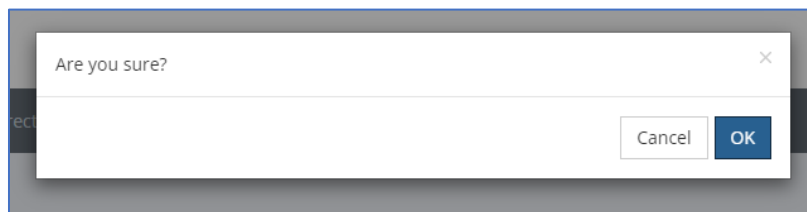
Brightcove CSV

All entries Filter:

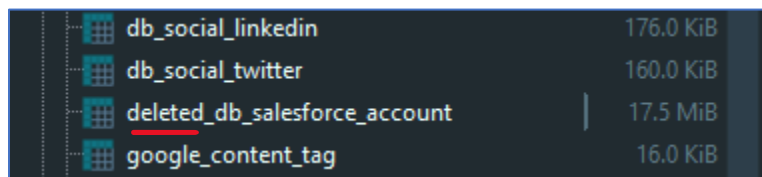
Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
Vincent Quah	Campaign Info		Manage Fields	Auto Processing (0)	100	2022-07-15 05:35:01	<u>Delete</u>
	setup		Manage Fields	Auto Processing (0)	100	N/A	Delete

Showing 1 to 2 of 2 entries

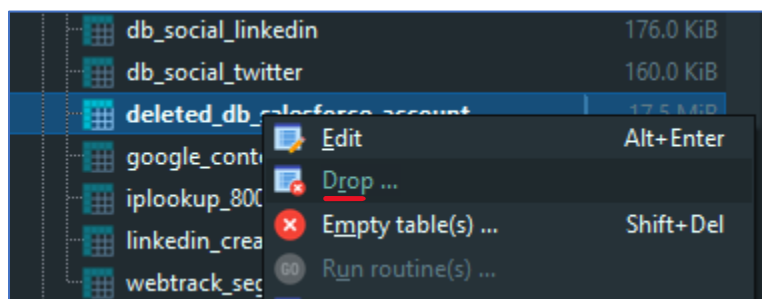
- Click the “OK” button to confirm deletion of entry.



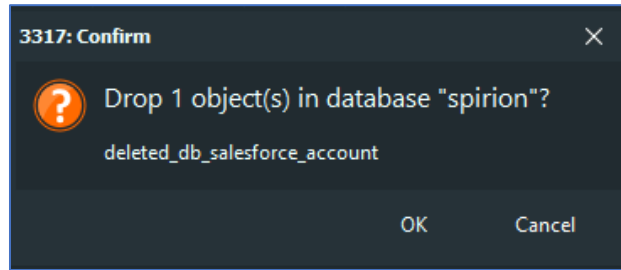
- Output: The table in Playground will now have a “deleted” appended to its name.



- Proceed to drop the table by right clicking the table and select “Drop”.



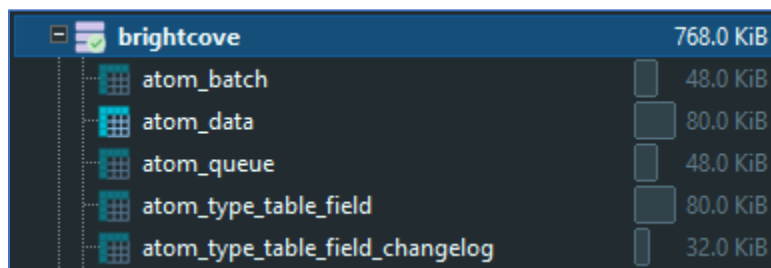
- Click the “OK” button to confirm deletion of table.



- To redo the table after deleting the table, take note of how CSV2SQL works behind the scenes.
- When a table is created in CSV2SQL, the table is created and log entries are created.
- The same thing happens when data is uploaded, data will be inserted into the table and there will be log entries created for it as well.
- When that table is deleted, the table is deleted but the log entries are not deleted.
- These log entries will cause the table to not be created correctly when redoing the table creation as CSV2SQL would assume that the table has already been created based on the logs.

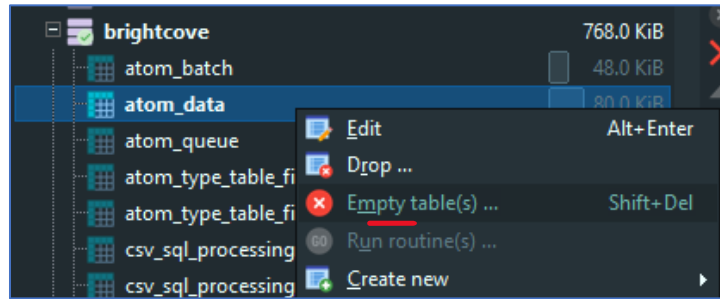
Creating Table and Uploading Data in CSV2SQL	Deleting Table in CSV2SQL
Table Created	Table Deleted
Data Inserted	Data Deleted
Log Entries Created	Log Entries Not Deleted

- Below shows a list of log tables in each database set up for CSV2SQL:

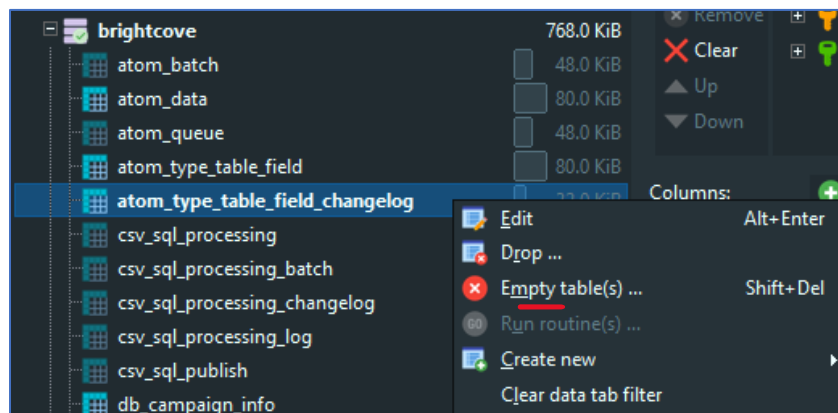
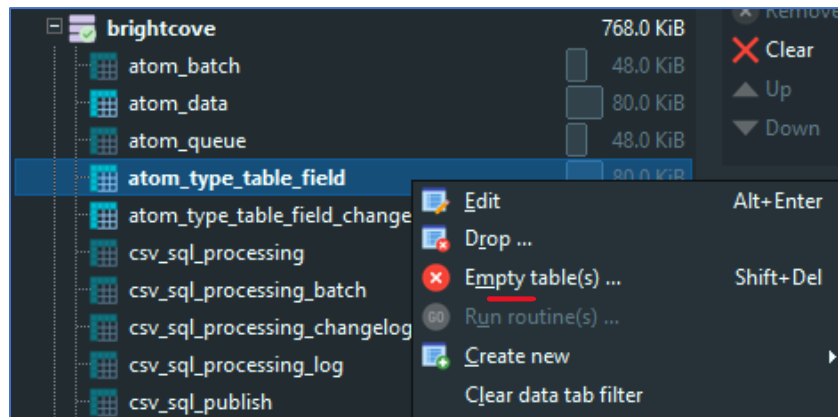


- The tables of focus are:
 - atom_data
 - atom_type_table_field
 - atom_type_table_field_changelog

- To be able to redo tables, the logs in the tables of focus needs to be cleared.
- atom_data logs all data that has been uploaded through CSV2SQL Upload Ticket.
- Right click the table name and select “Empty table” to clear its logs. This will allow us to reupload the same data.



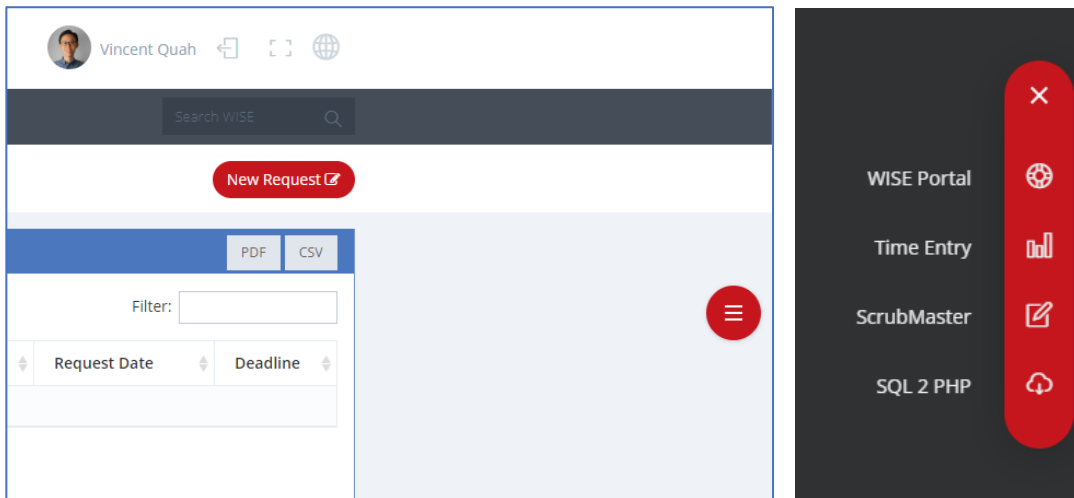
- atom_type_table_field logs all columns of a created table. atom_type_table_field_changelog logs all columns set as master key.
- Right click their table name and select “Empty table” to clear their logs. This will allow us to recreate the same table.



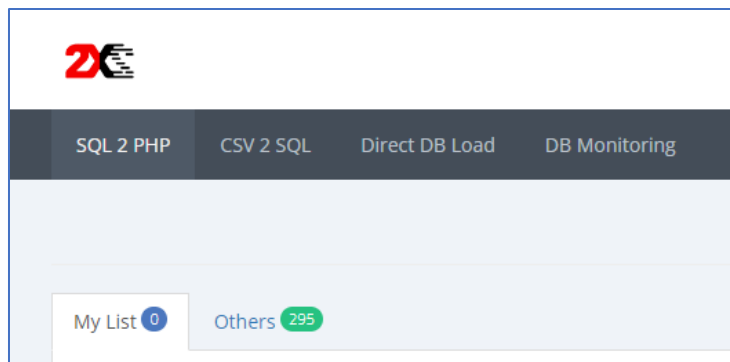
FAQ

1. How do I access CSV2SQL?

- Go to WISE Portal > Click the red “Hamburger” icon on the right side > Select SQL 2 PHP

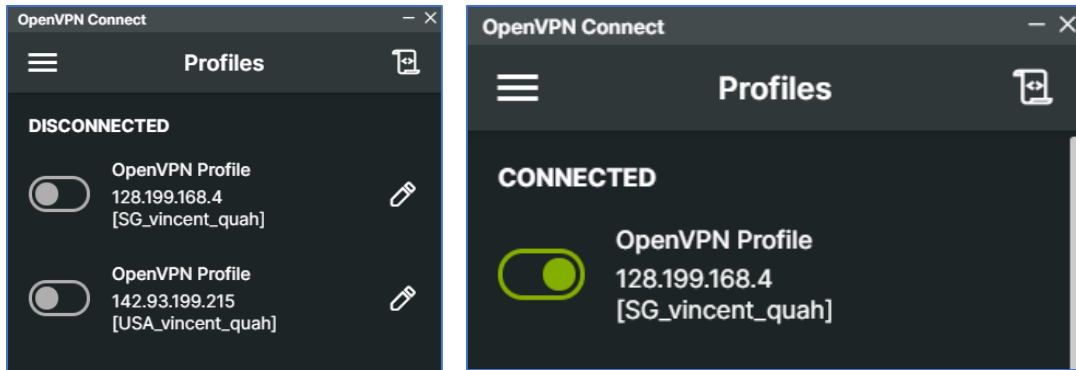


- Click “CSV 2 SQL” to go to the destination. Do bookmark the “CSV2SQL” page for easier access in the future, to avoid doing these steps again.

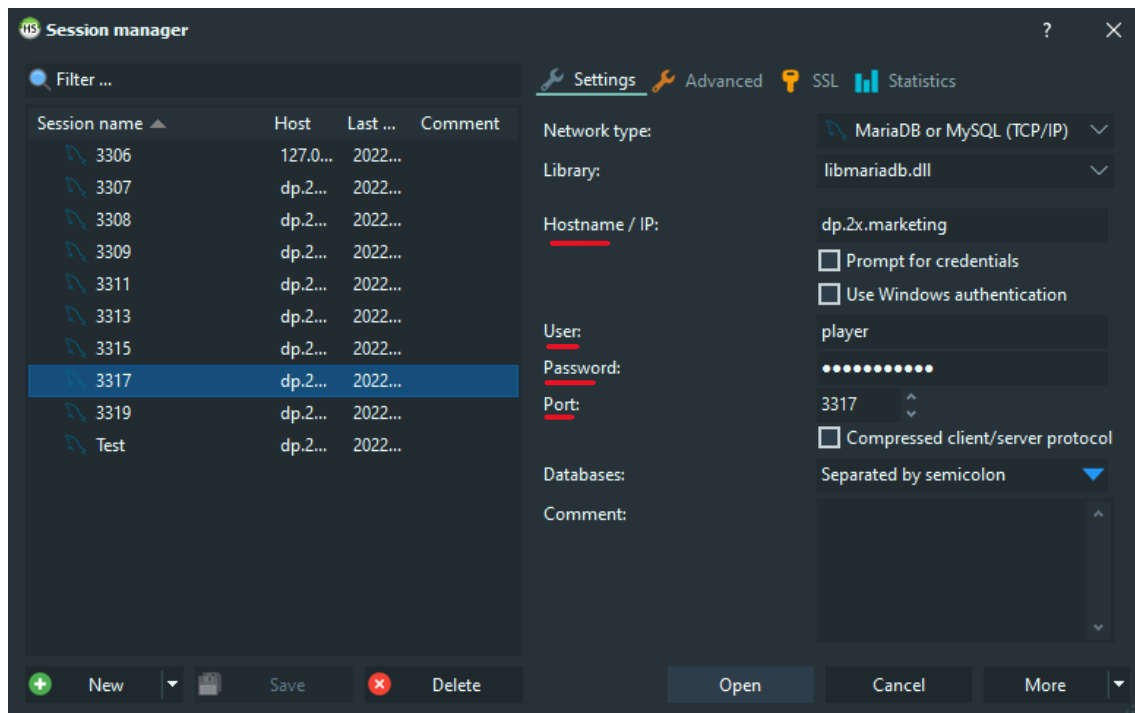


2. How do I access MySQL Playground?

- Make sure to have HeidiSQL installed or any other MySQL client.
- Turn on VPN beforehand. Any region would do.



- Open HeidiSQL or your MySQL client and insert these credentials:
 - Hostname : dp.2x.marketing
 - User : player
 - Password : 2Xpl4y2020!
 - Port : (Choose your own)
- Click “Open” button to access the port of choice.



3. How do I know which port a client belongs to?

- Head over to CSV2SQL page.
- Select the tab for the client of interest.
- Check the “Playground Port” value to get the port number for that client.

The screenshot shows the CSV2SQL application interface. At the top, there are navigation tabs: SQL 2 PHP, CSV 2 SQL (selected), Direct DB Load, and DB Monitoring. A red button labeled '+ New CSV2SQL' is in the top right. Below the tabs is a grid of client icons with their respective counts. The '2X' client is selected, highlighted in blue. Below the client grid, there are input fields for 'WISE Upload Job' (2896), 'Playground Port' (3315), and 'Playground Database' (2x). The 'Playground Port' field is underlined in red. Below this is a table view for the '2X' client, showing a single entry for 'bombora_surge_report'.

Owner	Type	Comments	Manage Fields	Auto Processing	Sequence	Data Updated	Delete
Jean Wei Shum	bombora_surge_report	Bombora comprehensive surge report	Manage Fields	Auto Processing (15)	100	2022-07-11 17:20:06	Delete

4. What if I still have problems after going through the entire document?

- Feel free to reach out to me (Vincent Quah), I am more than happy to help you out.