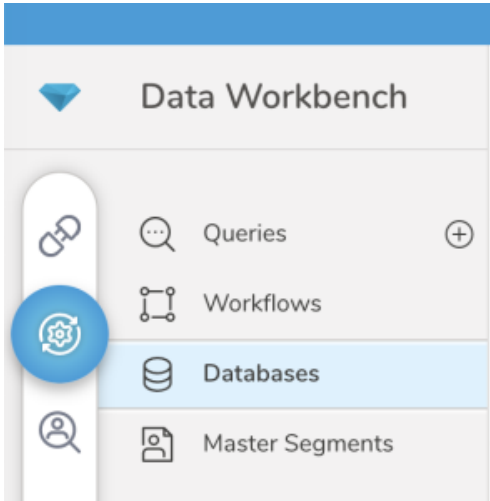


# Using Schema Annotation

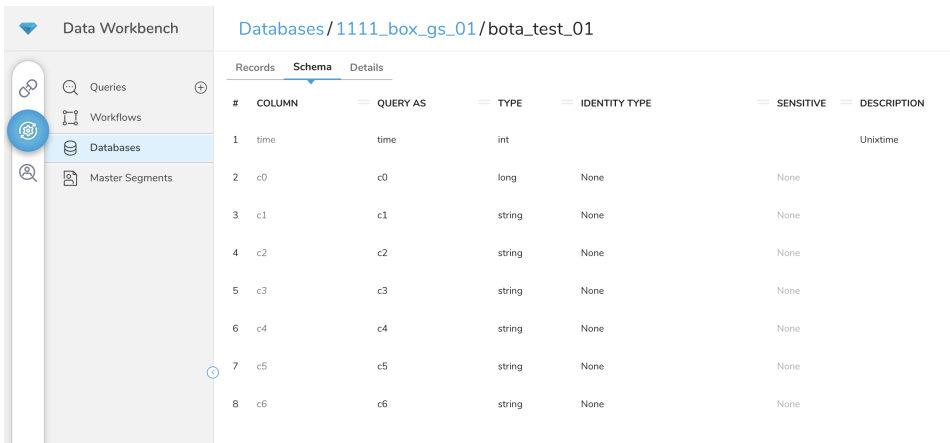
## Annotating Schema in TD Console

Annotating your table schema can be done in the Data Workbench through the UI, [API](#), or [TD command-line interface](#).

1. Open TD Console.
2. Navigate to Data Workbench > Databases.



3. Select a database.
4. Select a table.
5. Select Schema for the table.



6. Select Edit Schema.

#	COLUMN	QUERY AS	TYPE	IDENTITY TYPE	SENSITIVE	DESCRIPTION
1	time	time	int			Unixtime
	c0	c0	long	None	None	
	c1	c1	string	None	None	
	c2	c2	string	None	None	
	c3	c3	string	None	None	
	c4	c4	string	None	None	
	c5	c5	string	None	None	
	c6	c6	string	None	None	

7. Using the Identity Type drop-down for the column you want to annotate, select the annotation you want to set for that column. The identity types pre-defined by Treasure Data are:

- 1st Party Cookie (Client-side)
- 1st Party Cookie (Server-side)
- 3rd Party Cookie (Partner)
- 3rd Party Cookie (TD)
- Email (Hashed)
- Email (Raw)
- Home address
- Phone Number (Hashed)
- Phone Number (Raw)
- Vehicle Identification Number (VIN)

IDENTITY TYPE

None

1st Party Cookie (Client-side)

1st Party Cookie (Server-side)

3rd Party Cookie (Partner)

3rd Party Cookie (TD)

Email (Hashed)

Email (Raw)

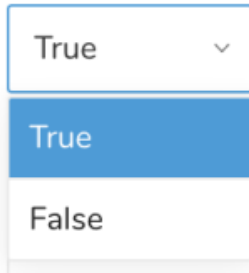
Home Address

Phone Number (Hashed)

None

8. After selecting the Identity Type, indicate whether the column contains sensitive data or not by selecting True or False from the Sensitive drop-down.

SENSITIVE ≡

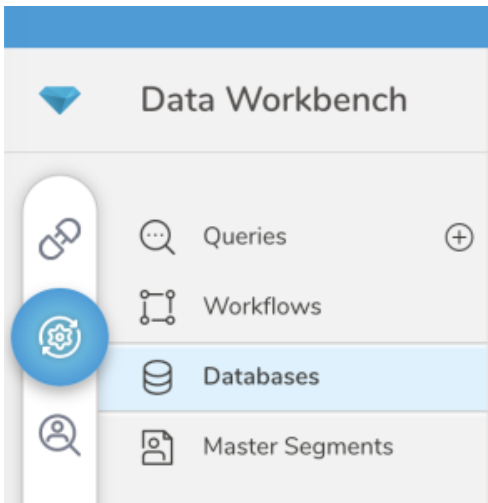


9. After creating the annotations for the desired columns, select **Save**.

After you have completed annotating the schema for the table, you can use the API to search annotations. Contact [support](#) for more information.

## Removing Schema Annotations

1. Open **TD Console**.
2. Navigate to **Data Workbench > Databases**.



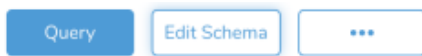
3. Select a database.
4. Select a table.
5. Select Schema for the table.

Data Workbench Databases/1111\_box\_gs\_01/bota\_test\_01

Records Schema Details

#	COLUMN	QUERY AS	TYPE	IDENTITY TYPE	SENSITIVE	DESCRIPTION
1	time	time	int			Unixtime
2	c0	c0	long	None	None	
3	c1	c1	string	None	None	
4	c2	c2	string	None	None	
5	c3	c3	string	None	None	
6	c4	c4	string	None	None	
7	c5	c5	string	None	None	
8	c6	c6	string	None	None	

6. Select Edit Schema.



Records Schema Details

#	COLUMN	QUERY AS	TYPE	IDENTITY TYPE	SENSITIVE	DESCRIPTION
1	time	time	int			Unixtime
	c0	c0	long	Email (Raw)	True	
	c1	c1	string	3rd Party Cookie (TD)	None	
	c2	c2	string	Email (Hashed)	None	
	c3	c3	string	Email (Raw)	None	
	c4	c4	string	Home Address	None	
	c5	c5	string	Phone Number (Hashed)	None	
	c6	c6	string	Phone Number (Raw)	None	
				Vehicle Identification Number (VIN)	None	
				None	None	
				None	None	

7. Select **None** from the Identity Type drop-down menu for the column from which you want to remove the annotation. Repeat this for any other column annotations you want to remove.
8. Select **Save**.

## Annotating Schema via API

Annotated Schema APIs allow you to create, update, and delete annotated schemas. For more information about these APIs, contact [support](#).