



Custom Script using JavaScript

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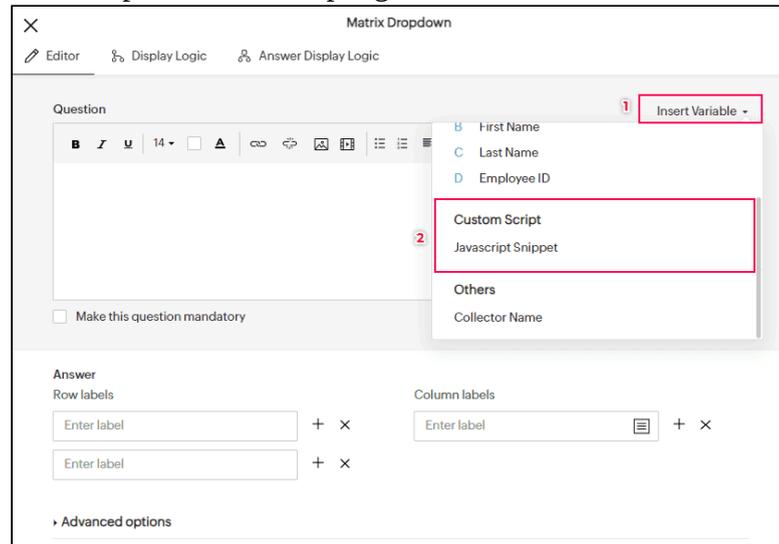
JavaScript is a powerful and widely-adopted programming language that excels in client-side scripting within web browsers. It allows developers to create dynamic and interactive web applications. In Zoho Survey, you can leverage JavaScript for implementing conditions and piping within various modules, enhancing the customization and functionality of your surveys. This capability enables you to tailor the user experience based on responses, making your surveys more engaging and effective.

JavaScript for Conditions

How to add JavaScript for Question Display logic:

To add a custom script in question:

- Go to **Builder>Editor** and add the **question type** you'd like to use on the *Survey Builder* page using drag and drop or clicking on it in the left pane.
- Click on the **Insert Variable** dropdown in the top-right corner and choose **JavaScript Snippet**.

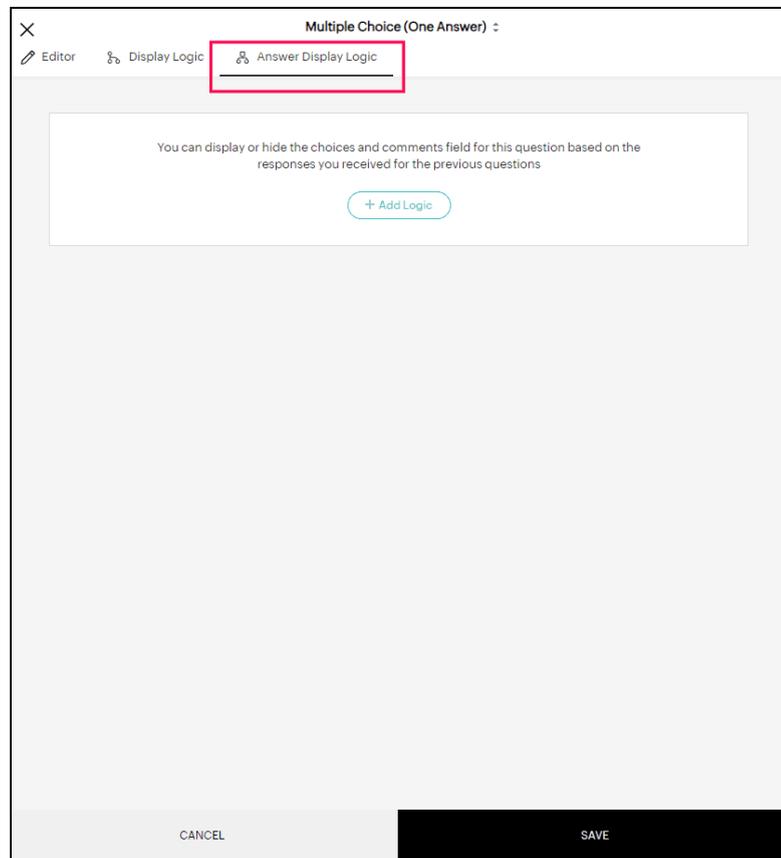


- Enter the **code**. Click **insert variable(inside one)** to use built-in functions in your code.
- Click **Test** with sample data.
- Click the **Run** button and check your result.
- Click the **Save** button.

How to add a JavaScript for Answer display logic :

To add a custom script for answer display logic:

1. Go to **Builder>Editor** and add the **question type** you'd like to use on the *Survey Builder* page by drag and drop or clicking on it in the left pane.
2. Navigate to **Answer Display Logic** and click **Add Logic**.



3. Click **If** and select the **JavaScript** snippet.

4. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.

Javascript Variable ✕

Return a value to replace the variable

Insert Variable ▾ | [Help](#)

```

1 var dob = application.createDate(application.survey.question.B.response);
2 var todayDate = application.createDate();
3 application.log("DOB: "+dob.toDateString());
4 var diff_ms = todayDate - dob.getTime();
5 var date = application.createDate(diff_ms);
6 var age = application.Math.abs(date.getUTCFullYear() - 1970);
7 application.log("AGE: "+age);
8 if(age <=1)
9 {

```

Hide test

Sample data	Regenerate	Run	Result
{"survey":{"question":{"B":{"response":"1/20/2023"}}}}			Log: DOB: Fri Jan 20 2023 AGE: 1 Result: infant

CANCEL
UPDATE

Javascript Variable ✕

Return a value to replace the variable

Insert Variable ▾ | [Help](#)

```

1 var dob = application.createDate(application.survey.question.B.response);
2 var todayDate = application.createDate();
3 application.log("DOB: "+dob.toDateString());
4 var diff_ms = todayDate - dob.getTime();
5 var date = application.createDate(diff_ms);
6 var age = application.Math.abs(date.getUTCFullYear() - 1970);
7 application.log("AGE: "+age);
8 if(age <=1)
9 {

```

Hide test

Sample data	Regenerate	Run	Result
{"survey":{"question":{"B":{"response":"1/20/2023"}}}}			Log: DOB: Fri Jan 20 2023 AGE: 1 Result: infant

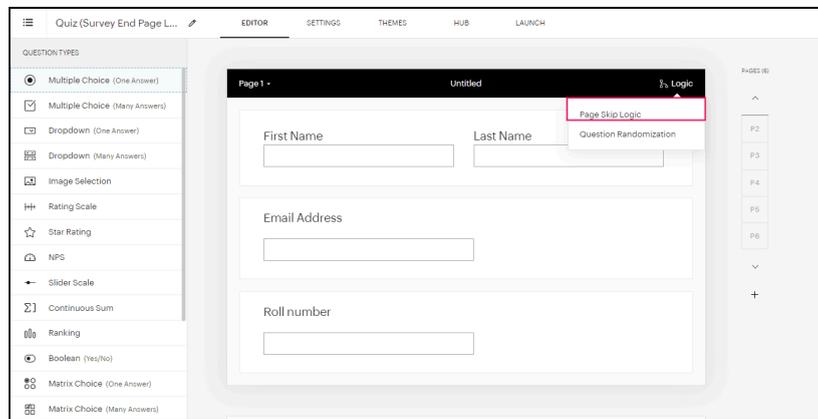
CANCEL
UPDATE

5. Click **UPDATE** and **SAVE** the code.

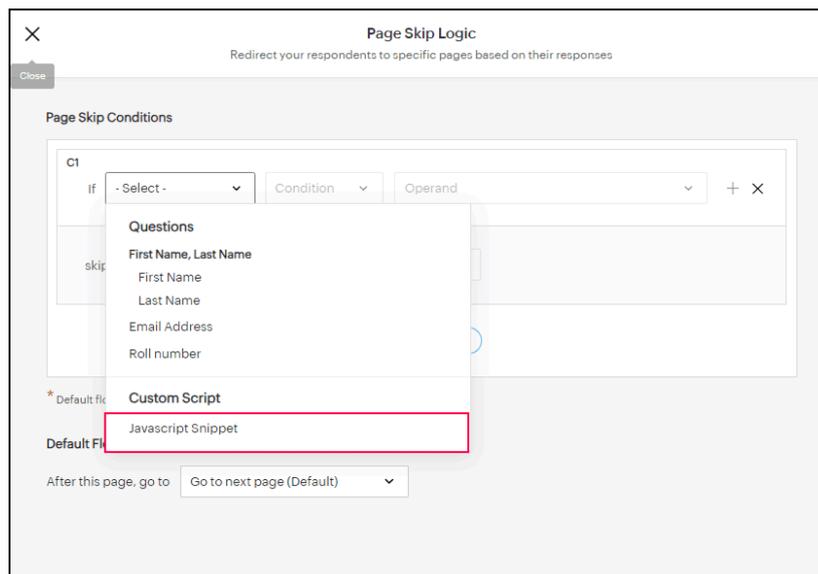
How to add a JavaScript for Page Skip logic :

To add a custom script for Page Skip Logic:

1. Go to **Builder>Editor** and click the **Logic** icon at the top-right corner of the page. Select **Page Skip Logic**.



2. In the new window, click **Add Condition**. Click **If** and select **JavaScript Snippet**.



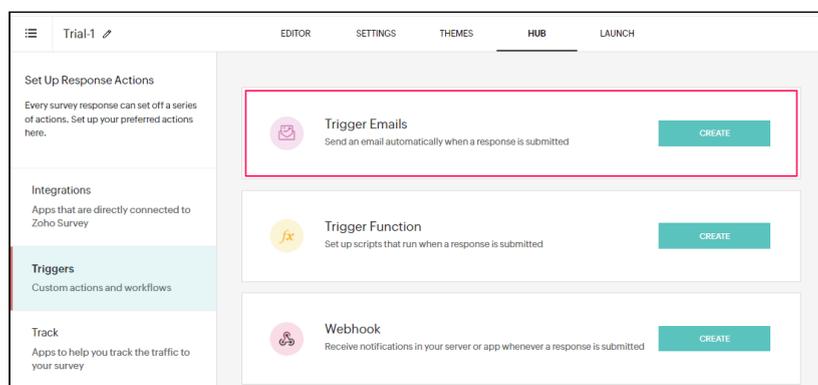
3. Add the required custom script. You can also test run the code to ensure the logic works.

4. In the Default Flow, select the page to skip when the custom script logic works.

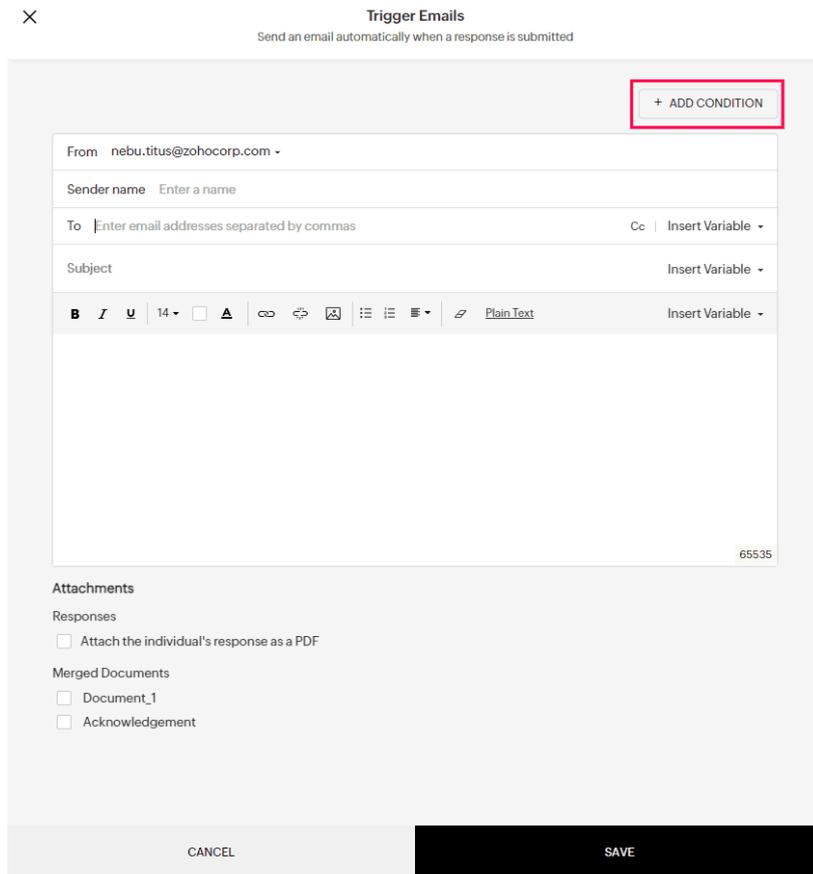
How to add a JavaScript for Trigger Email:

To add a custom script for Trigger Email:

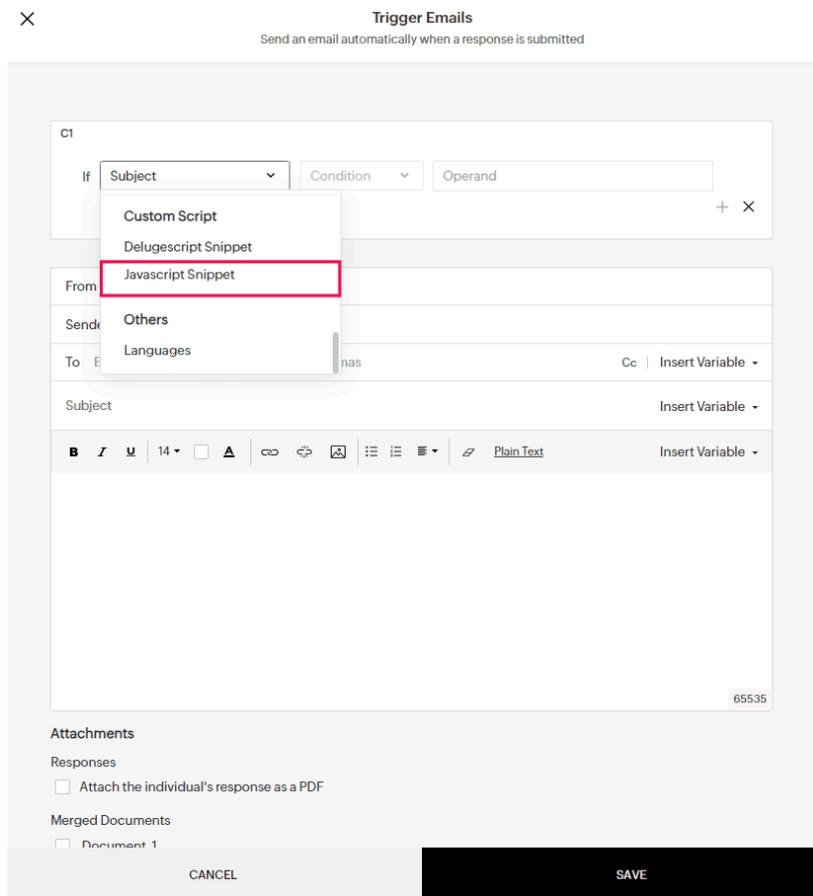
1. Go to **Builder>Hub>Triggers** and click the **CREATE** Trigger Emails.



2. Click the **ADD CONDITON** button at the top-right corner.



3. Click **If** and select **JavaScript Snippet**.



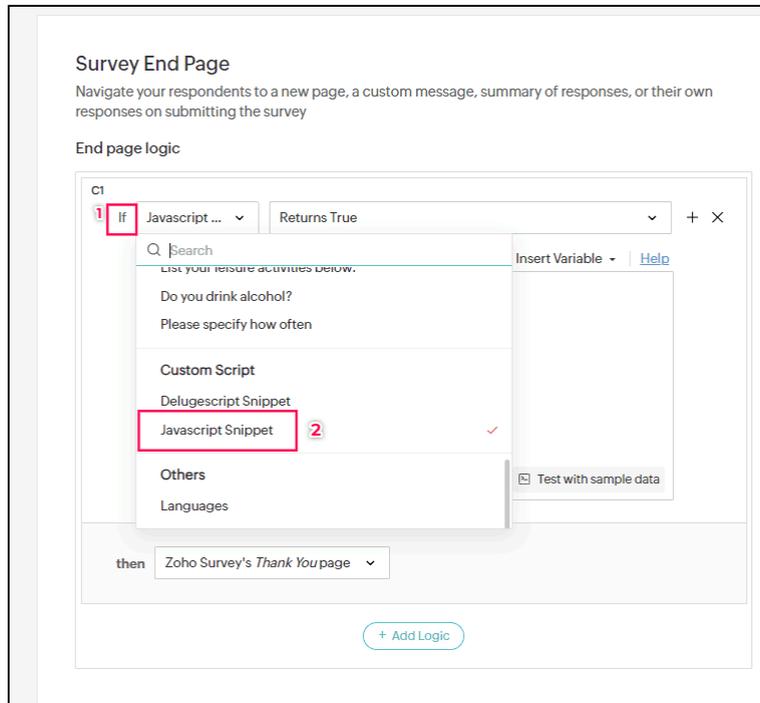
4. Add the required custom script. You can also test run the code to ensure the logic works.

5. Add your sender email address and any other necessary fields to the email settings for sending the email when the custom script condition returns True.

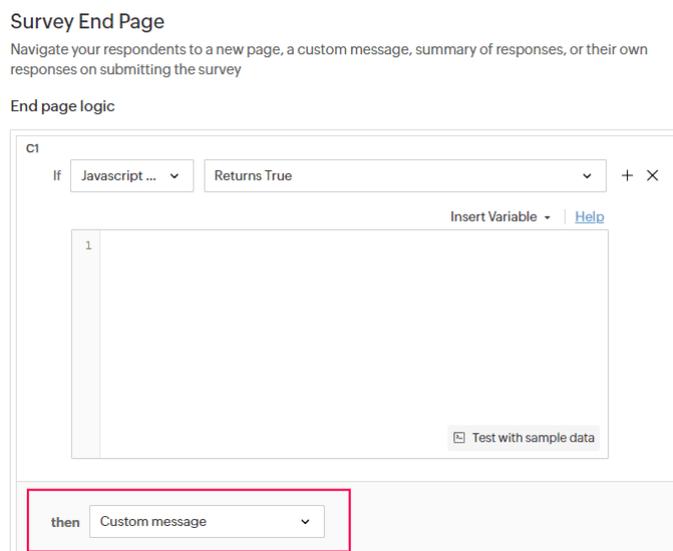
How to add a JavaScript for the Survey End Page logic:

To add a custom script for Survey End page logic:

1. Go to **Builder>Settings>Survey End page** and click **Add Logic**.
2. Click **If** and select **Javascript** snippet from the dropdown.



3. Add the required custom script. You can also test run the code to ensure the logic works.
4. In the Default Flow, select the page to skip when the custom script logic works.



5. Click **SAVE** at the bottom of the page to confirm the changes.

JavaScript for Piping

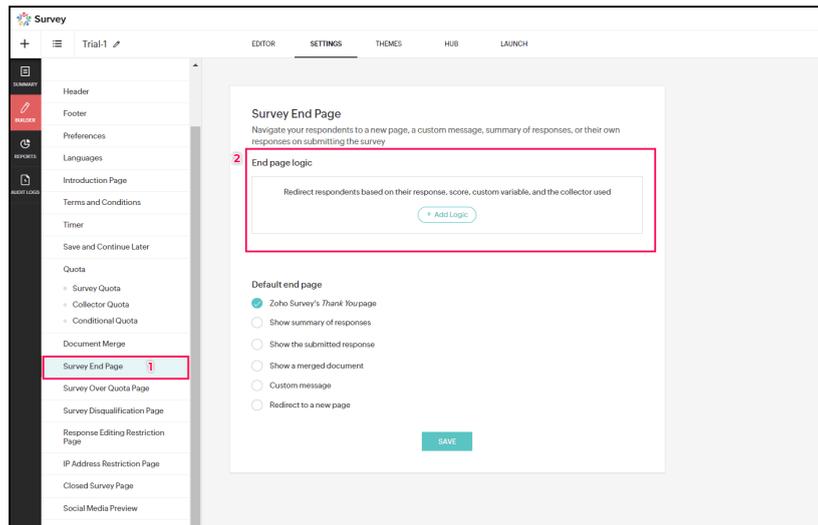
1. Survey End Page

JavaScript can be used for piping in 2 places, namely in **the Custom message** and in **Re-redirect to a new page** when it comes to the Survey End Page customization.

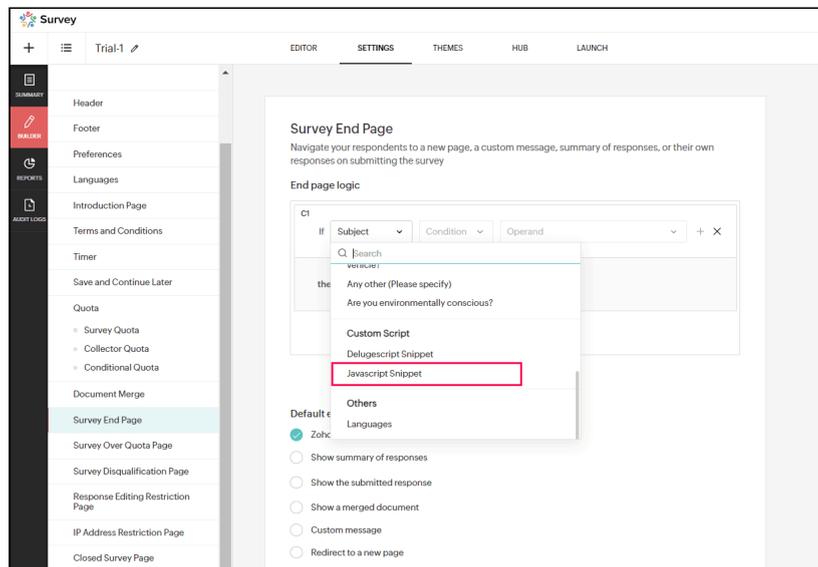
- o **Custom Message**

To add a custom script for a custom message in the Survey End page:

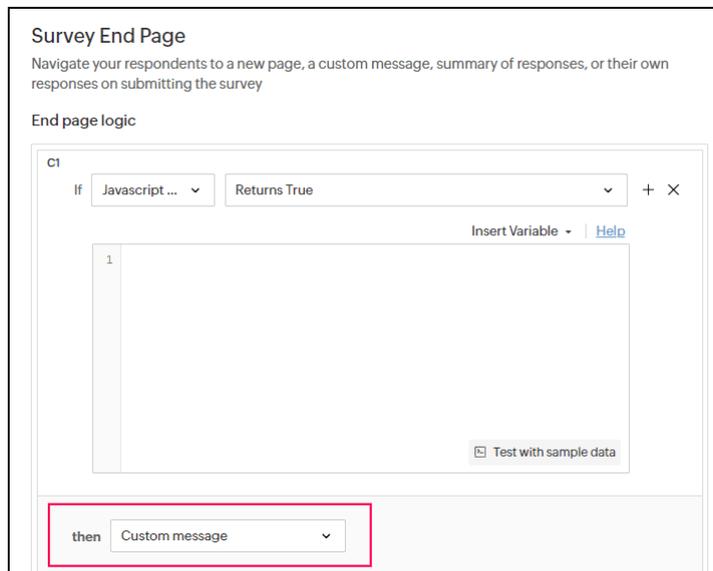
1. Go to **Builder>Settings>Survey End Page** and click **Add Logic**.



2. Click **If**, scroll down, and select **Javascript Snippet**.



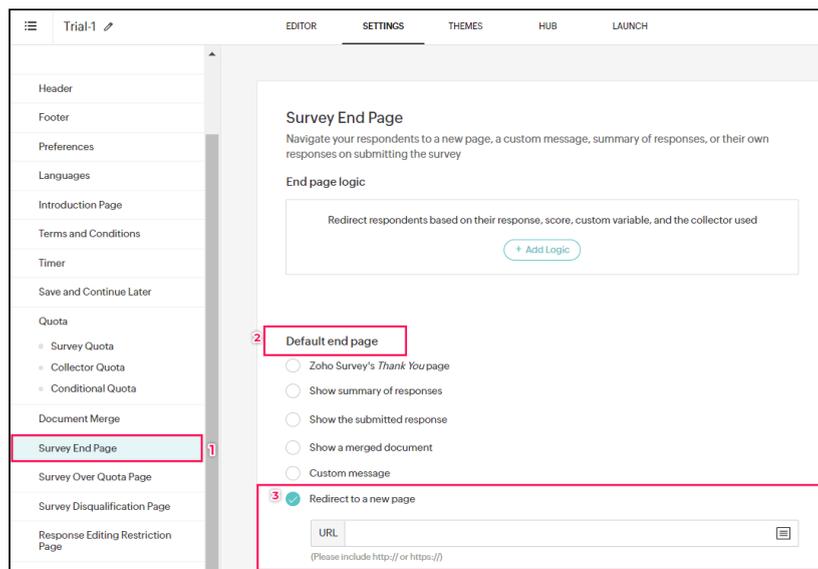
3. Add the custom script required for piping and test run the code to ensure it works.
4. Choose the desired action when the piping works under the **then** section.
5. Click **SAVE**.



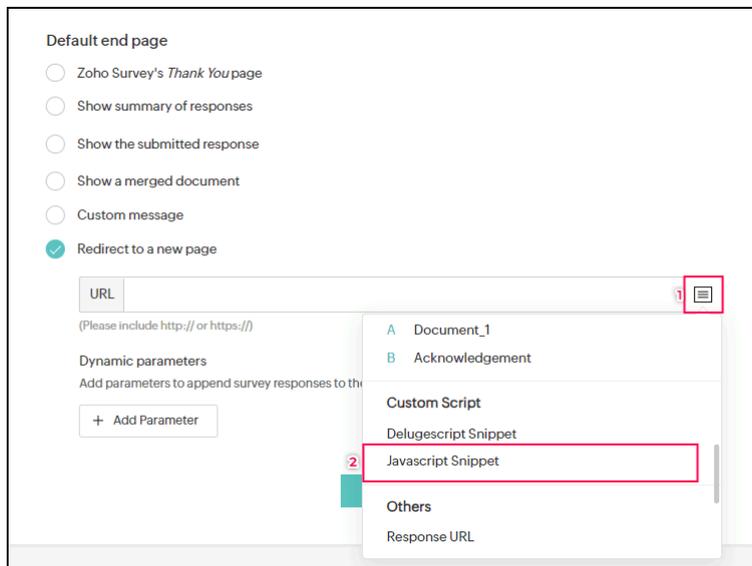
- o **Re-redirect to a New Page**

To add a custom script to redirect to a new page in the Survey End page:

1. Go to **Builder>Settings>Survey End Page** and scroll down to the Default end page section. Choose the **Redirect to a new page** option.



2. Click the **Insert Variable** icon, scroll down, and select **Javascript Snippet**.



3. Add the custom script required for piping, then test run the code to ensure it works. If it works, click **SAVE**.

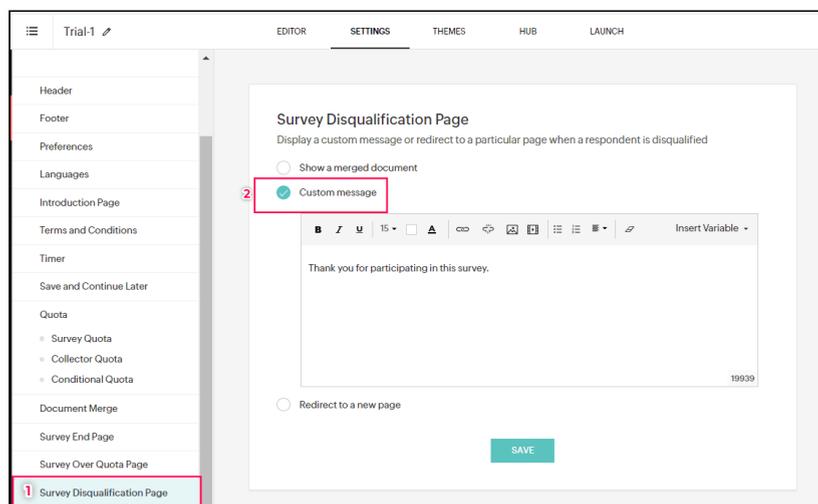
4. Add the piping parameter to the URL to which the survey should redirect, then click **SAVE**.

2. Survey Disqualification page

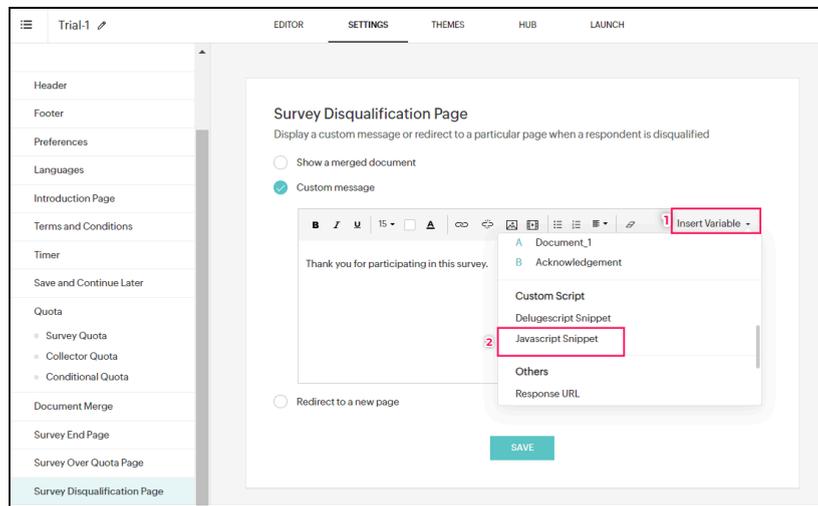
o Custom Message

For adding a custom script for a Custom Message in the Survey Disqualification Page, follow the steps below:

1. Go to **Builder>Settings>Survey Disqualification Page** and choose the **Custom Message** option.



2. Click **Insert Variable**, scroll down, and choose **Javascript Snippet**.

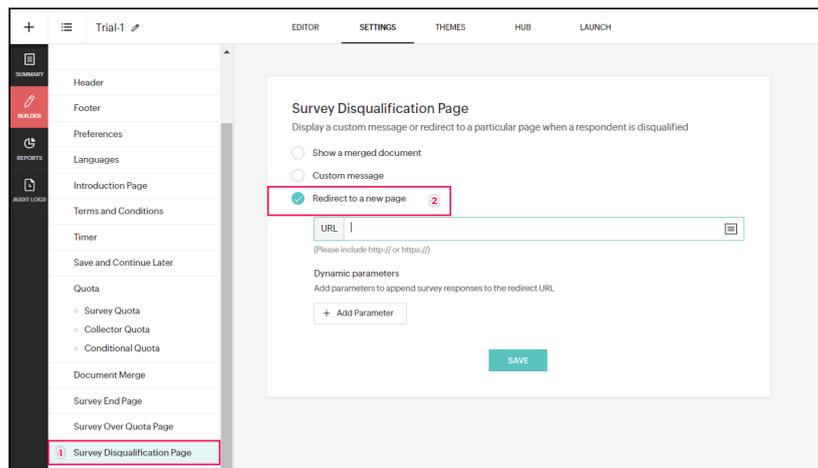


3. Add the custom script required for piping in the window that opens, then test run the code to ensure it works. Then click **SAVE**.

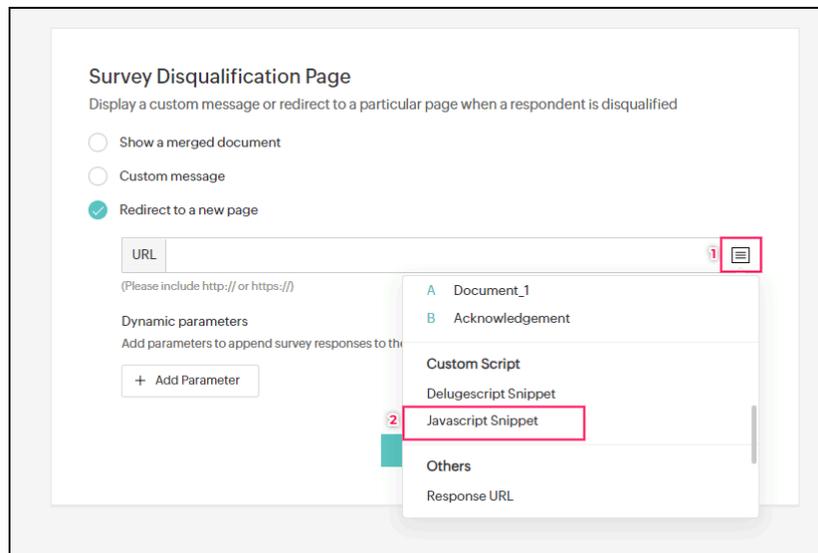
o **Re-direct to a New Page**

To add a custom script to redirect to a new page in the *Survey Disqualification* page:

1. Go to **Builder>Settings>Survey Disqualification Page** and select the **Redirect to a new page** option.



2. Click the **Insert Variable** icon, scroll down, and select **Javascript Snippet**.



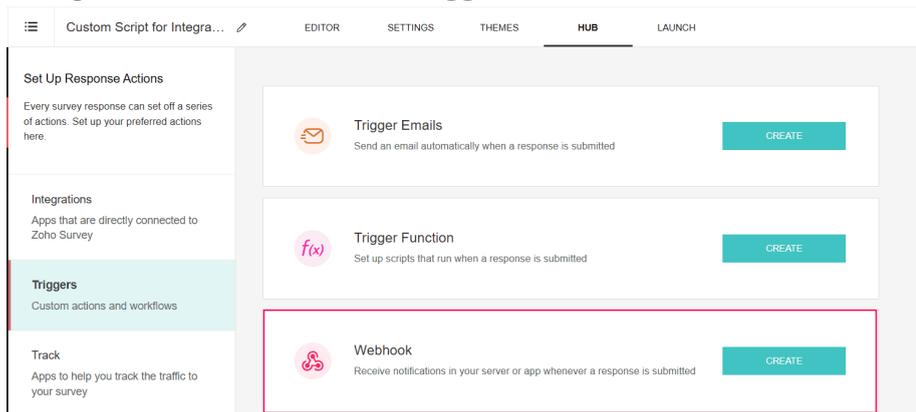
3. In the window that opens, add the custom script required for piping and test run the code to ensure it works. If it works, click **SAVE**.
4. Add the piping parameter to the URL to which the survey should redirect, then click **SAVE**.

Javascript for Integrations

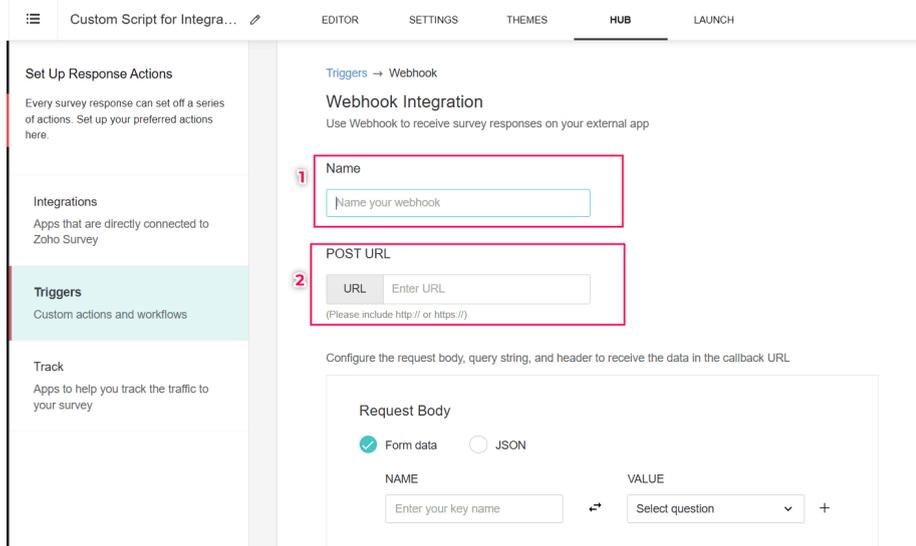
How to add JavaScript for Webhook:

Follow the steps below for adding a JavaScript script for Webhook integrations:

1. Navigate to **Builder > Hub > Triggers** and click the **CREATE** button for Webhook.

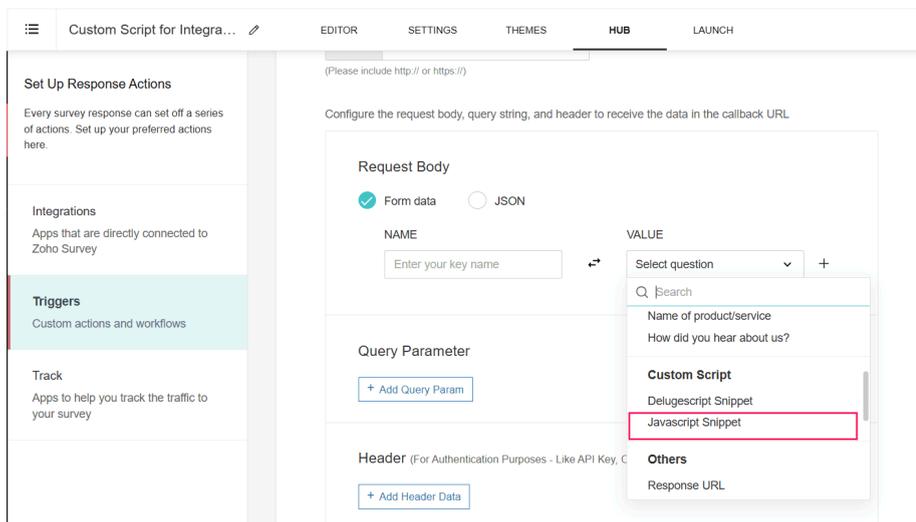


2. Provide a name for the Webhook and add the **POST URL**.



3. Enter a name in the Request Body for the key.

4. Add the value subsequently by scrolling down and selecting Javascript from the custom script options



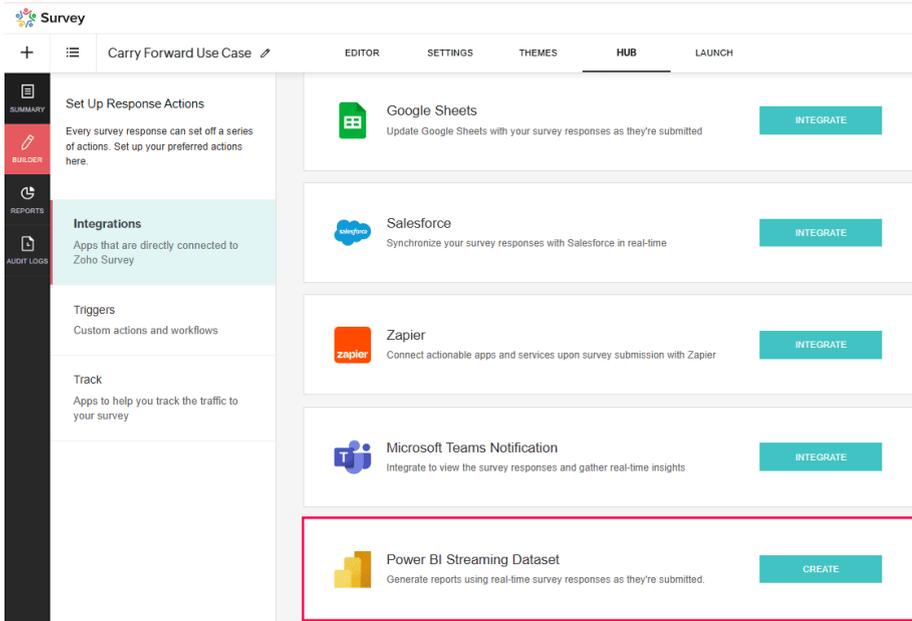
5. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.

6. Add the query parameter also using a custom script if required.

7. Add the Header details and click **SAVE**.

How to add JavaScript for Power BI:

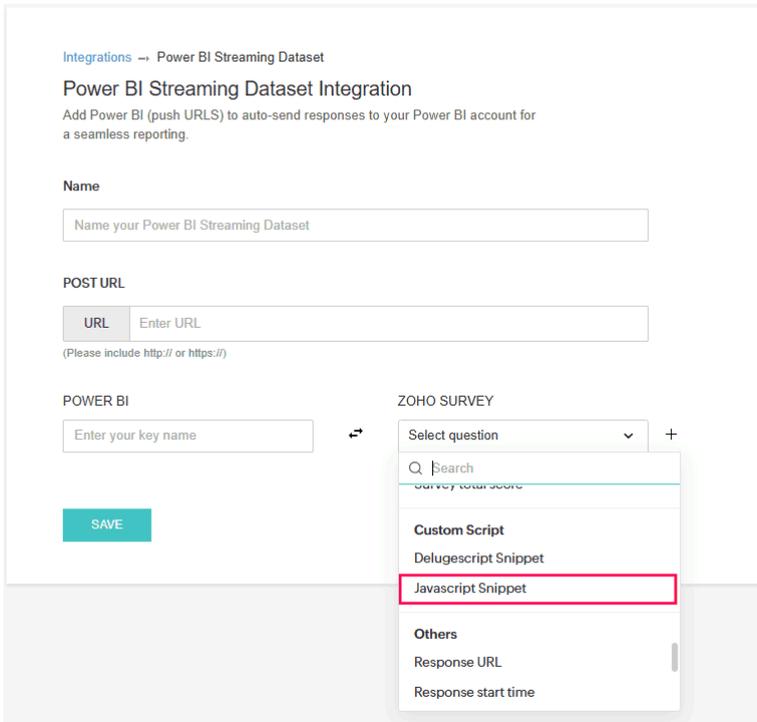
1. Follow the steps below for adding a JavaScript for Power BI integrations:



2. Navigate to **Builder > Hub > Integrations** and click the **CREATE** button for **Power BI**.

The screenshot shows the 'Power BI Streaming Dataset Integration' configuration page. The breadcrumb is 'Integrations -> Power BI Streaming Dataset'. The title is 'Power BI Streaming Dataset Integration' and the subtitle is 'Add Power BI (push URLs) to auto-send responses to your Power BI account for a seamless reporting.' There are three main sections: 1. 'Name' field with a red box around it and a '1' next to it. 2. 'POST URL' field with a red box around it and a '2' next to it. 3. 'POWER BI' section with a 'ZHO SURVEY' dropdown menu. Below these fields is a 'SAVE' button.

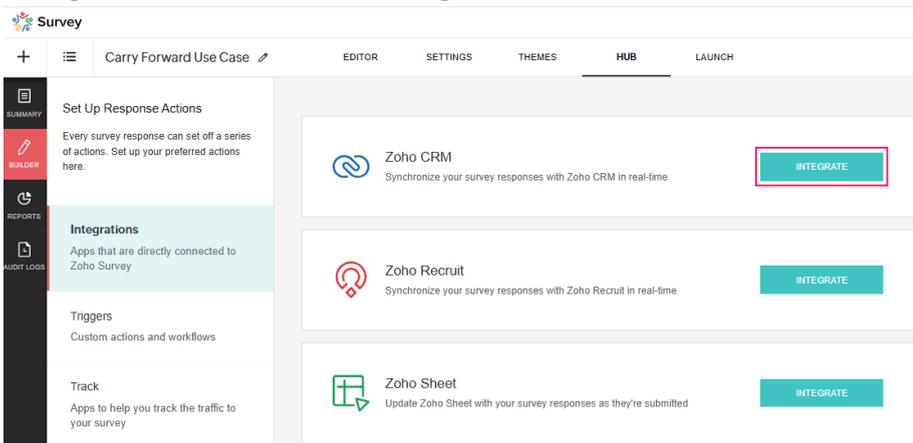
3. Provide a name for the Power BI and add the **POST URL**.



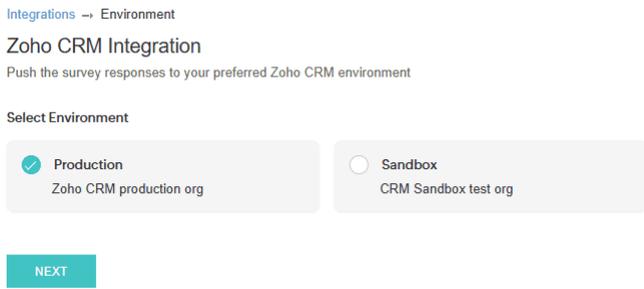
4. In the Request Body, enter a name for the key. Subsequently, scroll down and select Javascript from the custom script options.
5. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.
6. Click **SAVE**.

How to add JavaScript for Zoho CRM:

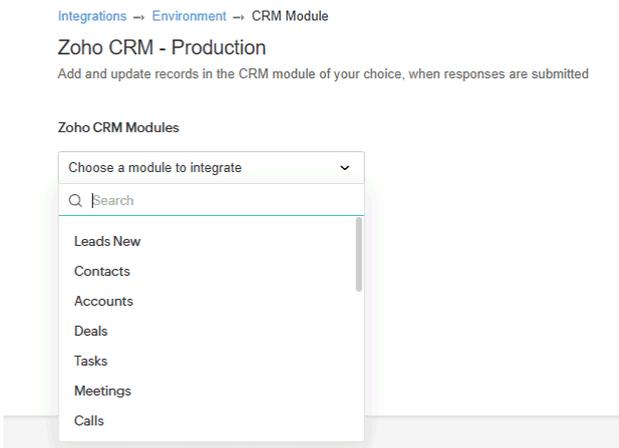
1. Navigate to Builder > Hub > Integrations and click the **INTEGRATE** button in Zoho CRM



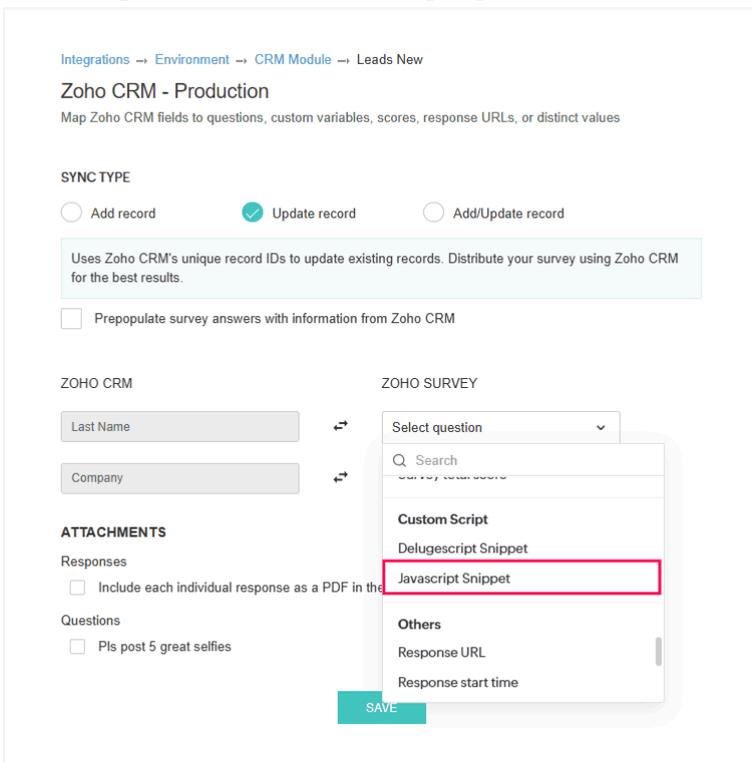
2. Select the environment you wish to pass the responses, then click **NEXT**.



3. Select the CRM modules from which values should be passed to Zoho survey using the dropdown button.



4. Select the type of action that needs to be performed. Under the value to be passed on, scroll down and select **Javascript** from the custom script options.

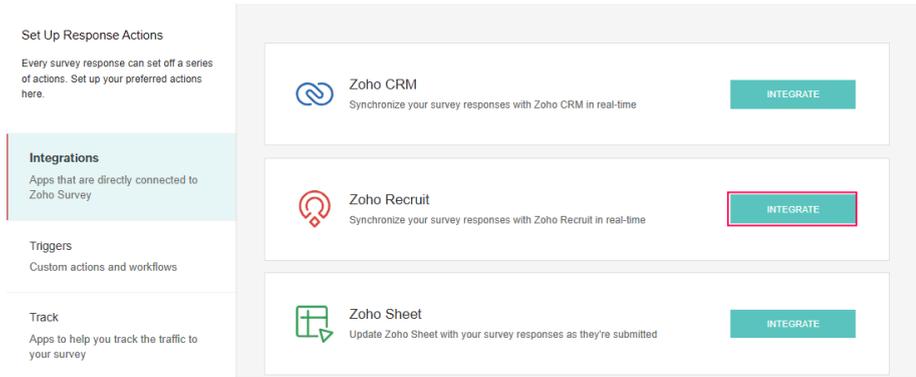


5. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.

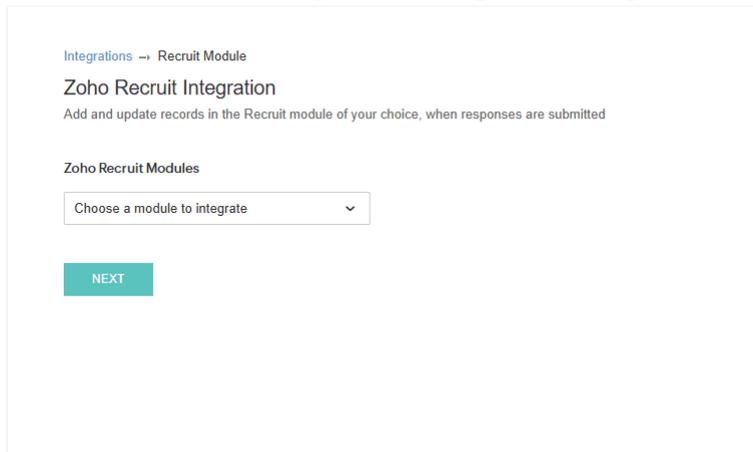
6. Click **SAVE**.

How to add JavaScript for Zoho Recruit:

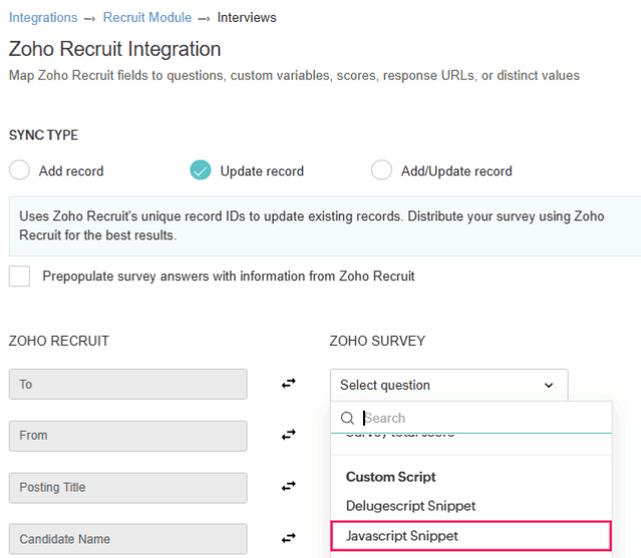
1. Navigate to **Builder > Hub > Integrations** and click the **INTEGRATE** button on Zoho Recruit.



2. Select the **MODULES** you wish to pass the responses, then click **NEXT**.



3. Select the type of action that needs to be performed. Under the value to be passed on, scroll down and select **Javascript** from the custom script options.

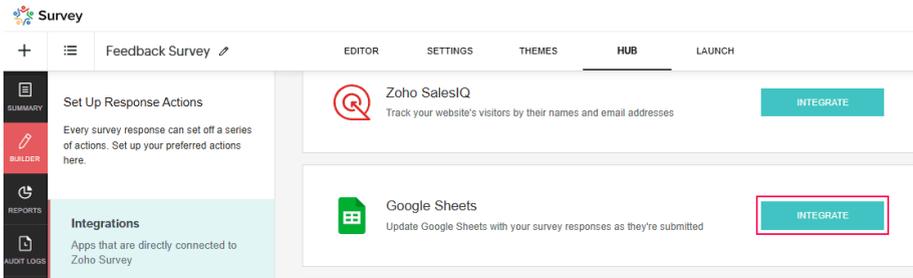


4. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.

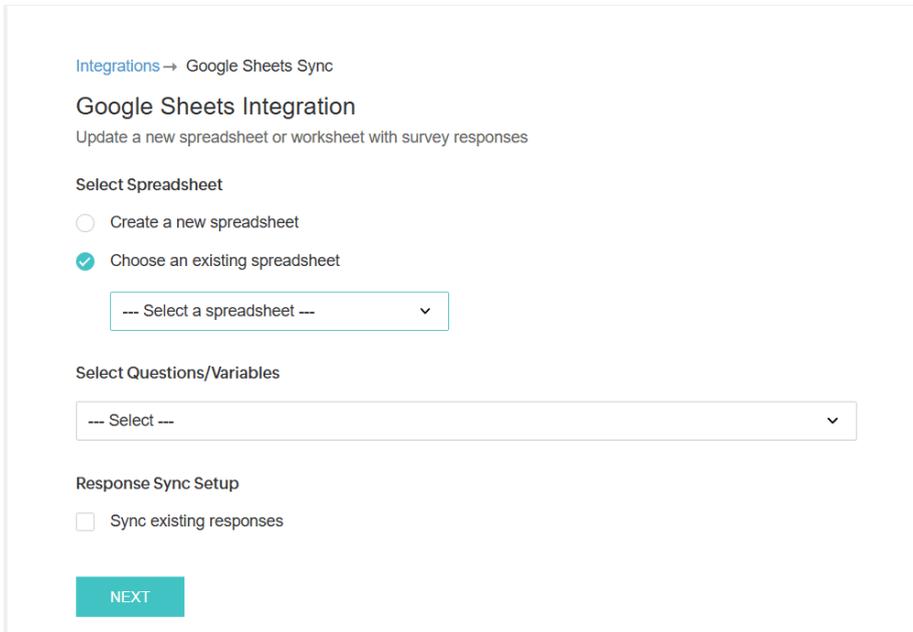
5. Click **SAVE**.

How to add JavaScript for Google Sheets

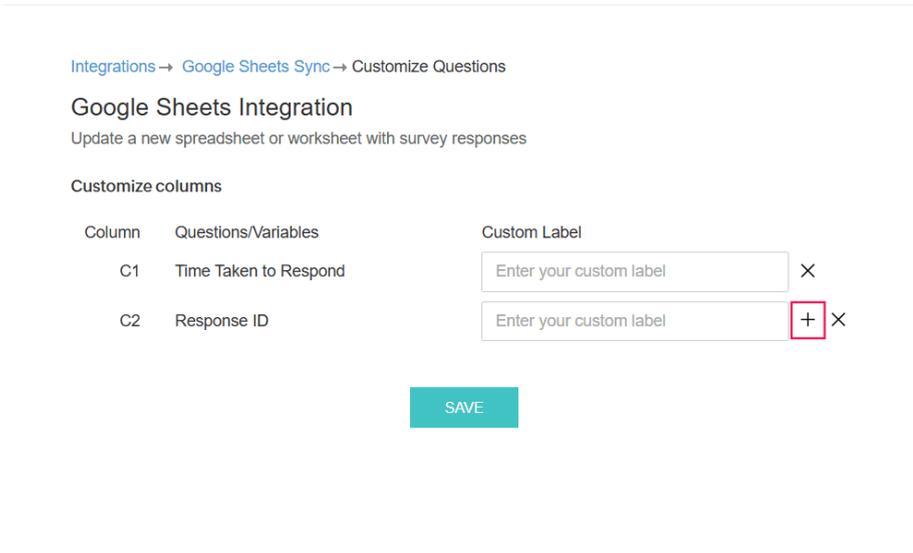
1. Navigate to **Builder > Hub > Integrations** and click the **INTEGRATE** button on Google Sheets.



2. Select the spreadsheet and questions that need to be integrated and click **NEXT**.



3. In the Google Sheet integration page, click the + button.



4. Under select question, scroll down and select **Javascript** from the custom script options.

[Integrations](#) → [Google Sheets Sync](#) → Customize Questions

Google Sheets Integration

Update a new spreadsheet or worksheet with survey responses

Customize columns

Column	Questions/Variables	Custom Label
C1	Time Taken to Respond	<input type="text" value="Enter your custom label"/> ×
C2	Response ID	<input type="text" value="Enter your custom label"/> ×
C3	<div style="border: 1px solid #ccc; padding: 2px;"><input type="text" value="Select question"/> ▼</div> <div style="border: 1px solid #ccc; padding: 2px; margin-top: 2px;"><input type="text" value="Search"/></div> <div style="border: 1px solid #ccc; padding: 2px; margin-top: 2px;">Custom Script</div> <div style="border: 1px solid #ccc; padding: 2px; margin-top: 2px;">Delugescript Snippet</div> <div style="border: 2px solid #f00; padding: 2px; margin-top: 2px;">Javascript Snippet</div>	

5. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.

Javascript Variable ×

Return a value to replace the variable

[Insert Variable](#) [Help](#)

1 |

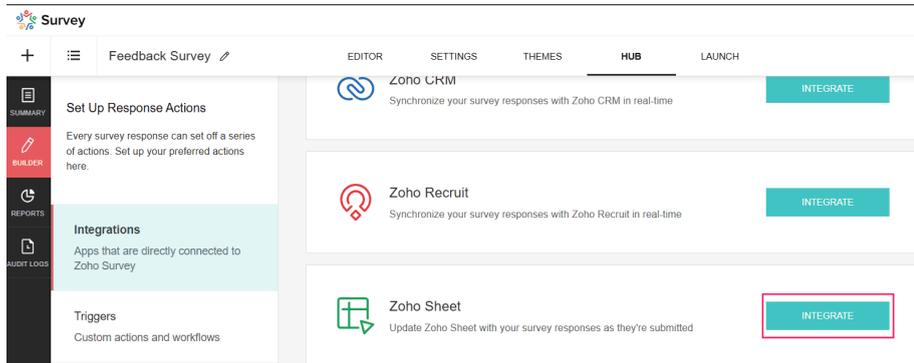
Test with sample data

CANCELSAVE

6. Finally, click **SAVE**.

How to add JavaScript for Zoho Sheets

1. Navigate to **Builder > Hub > Integrations** and click the **INTEGRATE** button In Zoho Sheets.



2. Select the spreadsheet and questions that need to be integrated and click **NEXT**.

Integrations → Zoho Sheet Sync

Zoho Sheet Integration

Update a new spreadsheet or worksheet with survey responses

Select Spreadsheet

Create a new spreadsheet

Carry Forward Use Case

Choose an existing spreadsheet

Select Questions/Variables

-- Select ---

Response Sync Setup

Sync existing responses

NEXT

3. In the Zoho Sheet integration page, click the + button. You may need to scroll down, depending on the number of questions.

Integrations → Zoho Sheet Sync → Customize Questions

Zoho Sheet Integration

Update a new spreadsheet or worksheet with survey responses

Customize columns

Column	Questions/Variables	Custom Label
C1	Select question	Enter your custom label
C2	Select question	Enter your custom label

SAVE

4. Under Select question, scroll down and select **Javascript** from the custom script options.

Integrations → Zoho Sheet Sync → Customize Questions

Zoho Sheet Integration

Update a new spreadsheet or worksheet with survey responses

Customize columns

Column	Questions/Variables	Custom Label
C1	Select question	Enter your custom label
C2	Select question	Enter your custom label

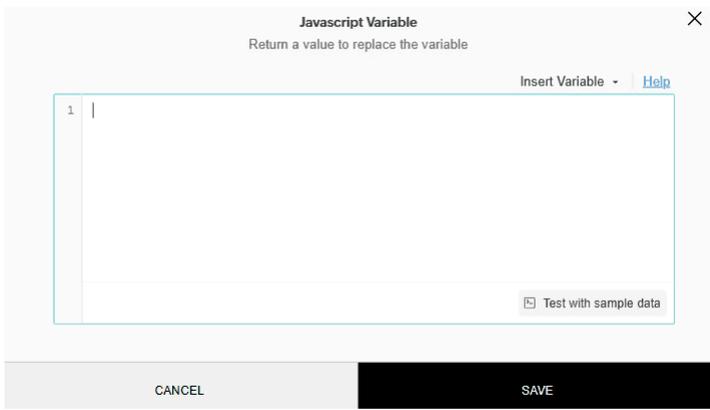
Q Search

Custom Script

Delugescript Snippet

Javascript Snippet

5. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.



6. Click **SAVE**.

Points To Note

The following keywords are restricted to be saved in JavaScript :

Console	window	alert	this
Self	new	class	await
worker	debugger	async	import
export	try	catch	throw
finally	resolve	reject	super
extends	pause	play	then
remove	object	function	promise
globalThis	image	xmlhttprequest	xmlDocument
geolocation	formData	file	event
websocket	urlpattern	formData	document
sessionstorage	localStorage	cookie	clearinterval
usb	clearTimeout	postmessage	prompt
setIntervals	setTimeout	cache	bluetooth
payment	otp	database	global_object
eval	arguments	global-func	canvas
strict	audio	navigation	navigator

console	window	alert	this
self	new	class	await
worker	debugger	async	import
export	try	catch	throw

finally	resolve	reject	super
extends	pause	play	then
remove	object	function	promise
globalThis	image	xmlhttprequest	xmlDocument
geolocation	formData	file	event
websocket	urlpattern	formData	document
sessionStorage	localStorage	cookie	clearInterval
usb	clearTimeout	postMessage	prompt
setIntervals	setTimeout	cache	bluetooth
payment	otp	database	global_object
eval	arguments	global-funcn	canvas
strict	audio	navigation	navigator

- While using script conditions in URL Parameter, you must enter the **param** value inside **square brackets []**. For example, `application.survey.urlparam ["userName"]` in JavaScript, because special characters are not allowed in the JSON key in dot notation.
- To avoid syntax errors, javascript code should contain javascript syntax, and it should always end either with a semicolon or be properly wrapped inside curly braces.

Sample Reference

A sample reference Java script snippet code to achieve a simple [arithmetic](#) operation :

The given code combines arithmetic operations and conditional statements to make decisions based on the values of certain variables or expressions.

```

var rating = application.survey.question.C.response + application.survey.question.D.response;
if (application.survey.question.A.response == "Single"
application.survey.question.B.response == 2)
{
return true;
}
else if (rating > 10)

```

```
{
```

```
  return true;
```