

Custom Script using Deluge

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Sample Reference

Deluge is a scripting language specifically designed for the Zoho ecosystem. It stands for **Data Enriched Language for the Universal Grid Environment** and is tailored to help users automate tasks and customize applications across Zoho's suite of products. <u>Read more about Deluge</u>.

Deluge Custom Scripts for Conditions

How to add the Deluge script for Trigger Email:

To add a custom script for Trigger Email:

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



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

<	Trigger Send an email automatically v	Emails when a response is submitted	
			+ ADD CONDITION
From nebu.titus@zohocorp.	com -		
Sender name Enter a name			
To Enter email addresses seg	parated by commas		Cc Insert Variable 👻
Subject			Insert Variable 👻
B I ⊻ 14 - A	∞ ⇔ ಟ ∷ ≡	■	Insert Variable 👻
			6535
Attachments			interesting and interesting
Responses Attach the individual's respo	onse as a PDF		
Merged Documents Document_1			
CANCEL			SAVE

3. Click **If** and select **Deluge script Snippet**.

×	Trigger Emails Send an email automatically when a response is submitted	
×	Tigger Emails Stand an email automatically when a response is submitted Image: Condition Image: Condition Image: Custom Script From Delugescript Snippet Javascript Snippet Javascript Snippet Javascript Snippet Subject B Z U 14 · Image: Condition Image: Custom Script Subject B Z U 14 · Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Script Image: Custom Scipt Science Image: Custom Scipt Science Image: Custom Scipt Science Image: Custom Scipt Science Image: Custom Scipt Science Image: Custom Scipt Science Image: Custom Scipt Science Image: Custom Scipt Science <t< td=""><td>LINSERT Variable • Insert Variable • E5535</td></t<>	LINSERT Variable • Insert Variable • E5535
	CANCEL SAVE	

- 4. Add the custom script required to run the required logic. You can also test run the code to ensure the logic works.
- 5. Add your sender email address and other necessary fields to the email settings for triggering the email when the custom script condition returns **True**.

How to add a Deluge script for the Survey End Page logic

To add a custom script for Survey End page logic:

- 1. Navigate to **Builder > Settings >** Survey End page and click **Add Logic**.
- 2. Click **If** and select **Deluge script Snippet** from the dropdown.

lavigate esponses	your respondents to a new page, a custom message, summary of responses, or their own son submitting the survey
nd page	logic
C1	
1 If	Subject • Condition • Operand • + X
	Q [Search
the	Do you drink alcohol? Please specify how often
	Custom Script
	Delugescript Snippet 2
	Javascript Snippet
ofault c	Others
eraurre	Languages

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

lf	Java	script 🗸	Returns True		~	+ >
				Insert	Variable - <u>Help</u>	
	1					
				N Tes	t with sample data	

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

Deluge Custom Scripts for Piping

The Deluge custom script can be used for piping in the Survey End page and Survey Disqualification page

How to add Deluge script in Survey End Page:

In the Survey End page, the Deluge script can be used for piping in two places, namely in **the custom message** and in **the redirect to a new page**.

• 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 on **Add Logic**.

🌼 s	urvey											
+	=	Trial-1 /		EDITOR	SETTINGS	THEMES	HUB		LAUNCH			
∎			-									
MMARY	He	ader										
	Fo	oter		Survey E	End Page							
(1	Pre	eferences		Navigate yo responses o	our respondents t on submitting the	o a new page, survey	a custom messag	je, su	mmary of rea	sponses, or the	eir own	
PORTS	La	nguages	2	End page I	ogic							
ß	Int	roduction Page										
DITLOGS	Ter	rms and Conditions		Rea	uirect respondenti	s based on their	response, score, c	uston	n variable, an	u the collector	used	
	Tin	ner					+ Add Logic					
	Sa	ve and Continue Later										
	Qu	iota										
		Survey Quota		Default en	d page							
		Collector Quota		Zoho S	urvey's Thank You	page						
	0	Conditional Quota		Shows	iummary of respor	1985						
	Do	cument Merge		Show t	he submitted resp	onse						
	Su	rvey End Page 🔋		Show a	merged documer	nt						
	Su	rvey Over Quota Page		Custon	n message							
	Su	rvey Disqualification Page		Redirec	ct to a new page							
	Re Pa	sponse Editing Restriction ge					SAVE					
	IP.	Address Restriction Page										
	Ck	osed Survey Page										
	So	cial Media Preview										

2. Click If, scroll down, and select DelugeScript Snippet.

Show summary of responses	
Show the submitted response	
Custom message	
B <i>I</i> <u>U</u> 14 - A ඥා	Image: Image
Hi \${Q-B} \${Q-C}	V List your leisure activities below.
	W Do you drink alcohol?
Thank you for participating in this survey! Your BMI is	X Please specify how often
	Custom Script
	Delugescript Snippet 2
	Javascript Snippet
Redirect to a new page	

- 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**.

• Re-direct to a New Page

To add a custom script to Re-direct to a New Page in the Survey End Page, follow the steps below:

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

≔ Trial-1 /		EDITOR	SETTINGS	THEMES	HUB	LAUNCH						
	•			-								
Header												
Footer		Survey E	Ind Page									
Preferences		Navigate yo responses o	ur respondents on submitting th	to a new page, a c e survey	ustom messag	e, summary of responses, or their own						
Languages		End page l	ogic									
Introduction Page												
Terms and Conditions		Redirect respondents based on their response, score, custom variable, and the collector used										
Timer		(+ Add Logic										
Save and Continue Later												
Quota												
 Survey Quota 		Default en	d page									
 Collector Quota 		Zoho S	urvey's Thank You	upage								
 Conditional Quota 		Show s	ummary of respo	nses								
Document Merge		◯ Show t	he submitted resp	ponse								
Survey End Page	1	O Show a	merged docume	ent								
Survey Over Quota Page		Custon	n message									
Survey Disqualification Page		3 🥏 Redired	t to a new page									
Response Editing Restriction Page		URL (Please i	nclude http:// or htt	tps://)								

2. Then click on the Insert Variable icon, scroll down, and select Deluge Script snippet.

2010 Survey S mank Tou page	
Show summary of responses	
Show the submitted response	
Custom message	
Redirect to a new page	
URL	1 =
(Please include http:// or https://)	V List your leisure activities below.
Dynamic parameters	W Do you drink alcohol?
Add parameters to append survey responses to the	X Please specify how often
+ Add Parameter	Custom Script
2	Delugescript Snippet
	Javascript Snippet

3. 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, and click SAVE.

How to add Deluge script for survey disqualification page

In the Survey Disqualification page, the Deluge script can be used for piping in two places, namely in the **custom message** and in **redirect to a new page**.

• Custom Message

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

1. Navigate to **Builder > Settings >** Survey Disqualification page, and choose the **Custom Message** option.

SUMMARY BUILDER	Configure and Manage Your Survey Settings Design your survey, its appearance and navigation, and customize preferences	Î	Survey Disqualification Page	icular page when a respondent is disqualified
REPORTS	Header	2	Custom message	
D	Footer		B <u>Z</u> <u>U</u> 15 • <u>A</u> ∞ <5	El II
ADDITICOGS	Preferences		Thank you for participating in this survey	V List your leisure activities below.
	Languages		mank you for participating in the our regi	W Do you drink alcohol?
	Introduction Page			X Please specify how often
	Terms and Conditions			Custom Script
	Timer			Delugescript Snippet Javascript Snippet
	Save and Continue Later		Redirect to a new page	
	Quota Survey Quota Collector Quota		I	SAVE
	Document Marga			
	Survey End Page			
	Survey Over Quota Page			
	Survey Disqualification Page	1		

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

E SUMMARY BUILDER	Configure and Manage Your Survey Settings Design your survey, its appearance and navigation, and customize preferences	SL	Irvey Disqu	ualification Pa message or redired	age et to a parti	cular page when a respondent is disqualified				
REPORTS	Header		Custom mess:	age						
	Footer		B <i>I</i> ⊻	15 • 🗌 🛓	ලා දර					
	Preferences		Thank you fo	or participating in th	is survey,	V List your leisure activities below.				
	Languages					W Do you drink alcohol?				
	Introduction Page					X Please specify how often				
	Terms and Conditions					Custom Script				
	Timer				2	Delugescript Snippet				
	Save and Continue Later		Redirect to a n	iew page		and an				
	Quota									
	 Survey Quota Collector Quota Conditional Quota 					SAVE				
	Document Merge									
	Survey End Page									
	Survey Over Quota Page									
	Survey Disqualification Page									

3. Add the custom script required for piping in the window that opens and test run the code to ensure it works.4. Click **SAVE**.

• Re-direct to a New Page

To add a custom script to Re-direct to a New Page in the Survey Disqualification Page, follow the steps below:

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

+	=	Trial-1 /		EDITOR	SETTINGS	THEMES	HUB	LAUNCH	
			*						
RUMMARY	Н	eader							
Ø MUDER	Fo	poter		Survey [Disqualificat	ion Page			
<u>رم</u>	Pr	references		Display a cu	istom message o	r redirect to a par	ticular page wh	en a respondent is disqualified	
PORTS	La	anguages		Show a	merged docume	nt			
	In	troduction Page		Custon	n message	~			
ITLOGS	Te	erms and Conditions		Redirect	t to a new page	2			
	Ті	imer		URL	1				
	Sa	ave and Continue Later		(Please i	include http:// or http	xs://)			
	Q	uota		Add pa	rameters to append	I survey responses to	the redirect URL		
	0	Survey Quota		+ A	dd Parameter				
		Collector Quota							
	0	Conditional Quota	- 10				SAVE		
	De	ocument Merge							
	Su	urvey End Page							
	Su	urvey Over Quota Page	_						
	1 St	urvey Disqualification Page							

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

+	≔	Corporate Insurance Sc	0 EDIT	OR SETTINGS	THEMES	HUB	LAUNCH				
EI SUMMARY BUILDER	Config Surve Design navigati	gure and Manage Your y Settings your survey, its appearance and on, and customize preferences	Su	rvey Disqualific	ation Page	icular page wh	ien a respondent is disqua	ified			
REPORTS	Hea	ider		Redirect to a new page							
	Foo	ter	· · · ·	iteditect to a new page							
	Pref	ferences		URL				1			
	Lan	guages		(Please include http:// or r	(ttps://)	V List	your leisure activities below.				
	Intr	oduction Page		Add parameters to appe	nd survey responses to	the X Plear	W Do you drink alcohol? X Please specify how often				
	Terr	ms and Conditions		+ Add Parameter		Custom	Script				
	Tim	er			8	2 Delugeso	cript Snippet				
	Sav	e and Continue Later				Javascrip	Javascript Snippet				
	Que	ota				Others	Others				
	• s • (iurvey Quota Collector Quota Conditional Quota									
	Doc	cument Merge									
	Sur	vey End Page									
	Sur	vey Over Quota Page									
	Sur	vey Disqualification Page									

- 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**.

Deluge Custom Scripts for Integrations

How to add a Deluge script for Webhook:

Follow the steps below for adding a Deluge 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.

E Custom Script for Integra	Ø	EDITOR SETTINGS THEMES HUB LAUNCH
Set Up Response Actions Every survey response can set off a series of actions. Set up your preferred actions here.		Triggers → Webhook Webhook Integration Use Webhook to receive survey responses on your external app Name
Integrations Apps that are directly connected to Zoho Survey		Name your webhook
Triggers Custom actions and workflows	8	(Please include http:// or https://)
Track Apps to help you track the traffic to your survey		Configure the request body, query string, and header to receive the data in the callback URL Request Body Image: Configure the data Image: C
		NAME VALUE Enter your key name Image: Comparison of the select question in the select question in the select question in the select question is a select question in the select question is a select question in the select question is a select question is question is a select

- 3. In the Request Body, enter a name for the key.
- 4. Add the VALUE by scrolling down and selecting Deluge Script from the custom script options

NAME	VALUE
Enter your key name	← Select question ~ +
	Q Search
Query Parameter	Custom Script
Query Falameter	Delugescript Snippet
+ Add Query Param	Javascript Snippet
	Others
	Response LIRI

- 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 **SAV**E.

How to add a Deluge script for Power BI:

Follow the steps below for adding a Deluge script for Power BI integrations:

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

🐝 Sı	irvey								
+	≔	Carry Forward Use Case 🥒	EDITOR	SETTINGS	THEMES	HUB	LAUNCH		
SUMMARY BUILDER	Set U Every of acti here.	Jp Response Actions survey response can set off a series ons. Set up your preferred actions		Google Sheets Update Google Sheets v	with your survey respo	onses as they're sub	mitted	INTEGRATE	
REPORTS AUDIT LOGS	Inte App Zoh	egrations s that are directly connected to o Survey	skeypro	Salesforce Synchronize your survey	r responses with Sale	sforce in real-time		INTEGRATE	
	Trig Cus Trae	gers tom actions and workflows :k	zapier	Zapier Connect actionable apps	s and services upon s	urvey submission w	ith Zapier	INTEGRATE	
	App you	s to help you track the traffic to survey	ų	Microsoft Teams N Integrate to view the sum	Notification vey responses and ga	ather real-time insig	hts	INTEGRATE	
			4	Power BI Streami Generate reports using r	ng Dataset real-time survey respo	onses as they're sub	omitted.	CREATE	

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

Name				
Name yo	our Power BI Streaming Datase	t		
POST URL				
URL	Enter URL			
(Please incl	ude http:// or https://)			
POWER B	II.		ZOHO SURVEY	
Estance	ur kov namo	÷	Select question	~

- 3. In the Request Body, enter a name for the key. 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 a Deluge script for Zoho CRM:

Follow the steps below for adding a Deluge script for Zoho CRM

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

မှိိုး Si	urvey								
+	≣	Carry Forward Use Case 🥒	EDITOR	R SETTINGS	THEMES	HUB	LAUNCH		
E SUMMARY BURLDER	Set U Every of action here.	p Response Actions survey response can set off a series ons. Set up your preferred actions	0	Zoho CRM Synchronize your surve	ey responses with Zoho	CRM in real-time		INTEGRATE	
	Inte App Zoh	grations s that are directly connected to o Survey	Q	Zoho Recruit	av racnonces with Zohn	. Recruit in real-time		INTEGRATE	
	Trig	gers om actions and workflows		Gynenionize your surve	g responses warzone				
	Trac App: your	K s to help you track the traffic to survey	E,	Zoho Sheet Update Zoho Sheet wit	h your survey response	es as they're submitte	ed	INTEGRATE	•

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

Integrations → Environment							
Zoho CRM Integration							
Push the survey responses to your preferred Zoho CRM environment							
Select Environment							
Production	Sandbox						
Zoho CRM production org	CRM Sandbox test org						
NEXT							

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

$\label{eq:constraint} \begin{array}{l} \mbox{Integrations} \rightarrow \mbox{Environment} \rightarrow \mbox{CRM Module} \\ \hline \mbox{Zoho CRM - Production} \\ \mbox{Add and update records in the CRM module of your choice, when responses are submitted} \\ \end{array}$							
Zoho CRM Modules							
Choose a module to integrate 🗸 🗸							
Q Search							
Leads New							
Contacts							
Accounts							
Deals							
Tasks							
Meetings							
Calls							

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

Last Name	¢	Select question	~
Company	.→	Q Search	
Company		URL Parameters	- 1
ATTACHMENTS		param-name	- 1
Responses		Custom Script	
		Delugescript Snippet	
Questions You can add uploads from File Upload a	nd Signature	Javascript Snippet	3)
currently has neither.		Others	

- 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 a Deluge script 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.

dd and update	records in the Recruit	module of your	choice, when	responses ar	e submitted
Coho Recruit Mo	odules				
Choose a mod	ule to integrate	~			
NEXT					

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

Integrations -> Recruit Module -> Interviews							
Zoho Recruit Integration							
Map Zoho Recruit fields to questions, custom variables, scores, response URLs, or distinct values							
SYNC TYPE							
Add record	Update record	Add/Update record					
Uses Zoho Recruit's unique record IDs to update existing records. Distribute your survey using Zoho Recruit for the best results.							
Prepopulate survey answers with information from Zoho Recruit							
ZOHO RECRUIT		ZOHO SURVEY					
То	¢7	Select question ~					
From	<i></i>	Q Search					
Posting Title	÷	Custom Script					
		Delugescript Snippet					
Candidate Name	4	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.
- 5. Click SAVE.

How to add a Deluge script for Google Sheets

Follow the steps below for adding a Deluge script 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**.

Integrations → Google Sheets Sync	
Google Sheets Integration Update a new spreadsheet or worksheet with surve	y responses
Select Spreadsheet	
Create a new spreadsheet	
Choose an existing spreadsheet	
Select a spreadsheet v]
Select Questions/Variables	
Select	~
Response Sync Setup Sync existing responses	

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

Integrations → Google Sheets Sync → Customize Questions Google Sheets Integration Update a new spreadsheet or worksheet with survey responses							
opdate a ner		sponses					
Customized	columns						
Column	Questions/Variables	Custom Label					
C1	Time Taken to Respond	Enter your custom label	×				
C2	Response ID	Enter your custom label	+ ×				
	SA	/E					

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

ZOHO CRM	:	ZOHO SURVEY	
Last Name	¢	Select question	,
Company	÷	Q Search	
		URL Parameters	
ATTACHMENTS		param-name	
Responses		Custom Script	
Include each individual response a	is a PDF in the	Delugescript Snippet	
Questions You can add uploads from File Upload and Signature		Javascript Snippet	эу
currently has neither.		Others	

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

	Delugescri Return a value to r	pt Variable eplace the variable		×
			Insert Variable - Help	
T I				
			Test with sample data	
	CANCEL		SAVE	

6. Click SAVE

How to add a Deluge script for Zoho Sheets

Follow the steps below for adding a Deluge script for Zoho Sheets:

1. Navigate to **Builder > Hub > Integrations** and click the **INTEGRATE** button on 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 V
Response Sync Setup Sync existing responses
NEXT

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

Integrations - Zoho Sh Update a ner	→ Zoho Sheet Sync → Customize Questi eet Integration w spreadsheet or worksheet with survey r	ons esponses	
Customize o	columns		
Column	Questions/Variables	Custom Label	
C1	Select question 🗸	Enter your custom label	×
C2	Select question 🗸	Enter your custom label	+ ×
	S	AVE	

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

Zoho Sh Update a ne	eet Integration	with survey re	esponses	
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			
	in the second second			

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

		Delugescrip Return a value to re	ot Variable eplace the variable		×
_				Insert Variable 👻 Help	_
	1				
				E Test with sample data	
	CANCEL			SAVE	

6. Click SAVE

Points To Note

The following keywords are restricted to be saved in Deluge :

	sendmail	posttochat	zoho	integration
--	----------	------------	------	-------------

Sample Reference

A sample reference Deluge script snippet code demonstrating a simple condition using an if statement. The provided Deluge code snippet demonstrates a simple condition using an if statement. This code snippet checks a specific response value and returns true if it matches the string 'Single'.

```
if(application.get('survey').get('question').get('C').get('response') == 'Single' )
```

{

return true;

Note:

You can read here more about <u>built-in Deluge</u> functions. You can only use <u>text functions</u>, <u>Date- Time functions</u>, <u>Number functions</u> and some <u>Common functions</u>.