Trigger an Operation on Filtered data

- Creating operationsConfigure Filter and Trigger
- Checking the result

You can create Operations to be run based on any data that changes within your app. For example if a new event is created by a user, like a "New Order", or if any data within your app is updated, like payment balance, or order status, etc.

In this article, we create an API Operation for one of our default learning apps -**DemoApp, which you have in your account.** This Operation will update one of the object's data fields using the Filer-Trigger-Operation sequence. You can also reference Triggers article, if needed.

Creating operations

1.

Go to API Operations (GREEN MARK) section on the Top Menu of Mobsted platform



All Applications

Mob	sted Demo App	#Variable:language#			Some images taken from iconsl	B.com
Li	st of examples					
When you screen nu the exam screens.	are in Mobsted backend - a mber with a name is where ole is made. Ignore all "Intro"	#List:languages:translati	on:1:#B			
Demo MOBSTED	Арр мели	Task manager	MENU	MOBSTED	Design Samples	MENU

2.

Click Add Operation (RED MARK)

00	GL OL											
C	Operations											
	Add Operation											
	ID	Operation Name	Api Provider									
:	2	Holiday	Holidays Provider									
:	17	NewOperation	Mobsted									
:	18	Get Event	Mobsted									
:	19	Update_obj_event_id	Mobsted									
:	20	Update_obj_event_id_clean	Mobsted									
:	21	AddEventStr	Mobsted									
:	22	Get_Event	Mobsted									
:	23	SendMessage	Mobsted									

Click Mobstedv8 (RED MARK) to see the list of available API methods.

Choose 1.6 Updating Object data (GREEN MARK)

Name your new operation (ORANGE MARK)

Operations	
API PROVIDERS	Operation Name
🖄 Mobstedv8	NewOperation
1.1 Creating Object	DATA TRANSFORMATION
1.2 Object Create/Update	Add Transformation
1.3 Send message to an object	
1.4 Getting the list of Objects	CONDITIONAL DATA TRANSFORMATION
1.5 Getting Object data	
1.6 Updating Object data	C Add Conditional Data Transformation
 1.7 Deleting Object 1.8 Create object, get it's unique entry short link and send an invite message (an option) 	EXECUTION
🖄 Mobsted 🗸 🗸	API Key Choose API key 👻
	API Application Choose API Application
Holidays Provider V	Add Field = Value pair

Choose Available Key in API Key drop-down (GREEN MARK)

Fill in all required fields (RED MARK). In this example we have only one required field, another API method can have other fields. As a value in the field you can use static data (number, string, etc.) or Hashtags as a dynamic data source (in the Hashtags article you can learn what the #application:id# reference does).

EXECUTION

	API Key	key 🗸]
API	Application	Choose API Application	
a	pplicationId	#Application:id#	•
	Email		A
	Phone		
н	omeScreen		
	Enabled		

O Add Field = Value pair

5.

Click Add Field = Value pair and fill in the fields (RED MARK), click Save

API Key	key 🗸		
API Application	Choose API Application		
applicationId	#Application:id#	•	
Email		A	×
Phone		•	Name Address
HomeScreen		•	In
Enabled		۵	query 💌
		Ľ×	Type string
✿ Add Field = Value pair			Description
			Required
			Save

Fill in the new field **Address** (it is the name of the object's columns in DemoApp) with any info you want to be saved into that column by the Operation. Click **Save Operation** (RED MARK)

EXECUTION			•
API Key	key 🔻		
API Application	Choose API Application		
applicationId	#Application:id#	· •	
Email			
Phone			
HomeScreen			
Enabled			
Address	some info	2° ×	
Add Field = Value pair			
		Close 🛛 🖬 Save Op	eration

Close Operations window

The operation is ready to use in the trigger or in the mobile app as Action.

Configure Filter and Trigger

Now, we need to setup filter and trigger to add the Operation we made above, which will be automatically run by our app.

8.

Click Menu (RED MARK) and select Objects (GREEN MARK)





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Click Create New Filter (RED MARK)



11.

Configure your new filter.

Choose ActionName in events section (RED MARK) and equals + Water Delivery Order in value section (RED MARK)

T Edit Sr	mart Filter	4 Trigg	jers				
Smart Filter Name	New_Filter		Sma	art Filter Measu	re		Description
CONDITIONS			20000				
A	ctionName	•	A =		•	Water Delivery Or 👻	
			-			******	
ev	vents						
SORTING	d						
c	CreateDate		×				
L	UpdateDate						
AGGREGATE -	ActionName						
V	Value		Aggrega	ate function 🔻	×		
s	SrcTemplate						
PERIOD	SrcScreen						
WHERE	SrcEvent						

Click Save Changes in Filters tab (RED MARK) and go to the Triggers tab (GREEN MARK)

T Edit Smart Filter 7 Triggers			$(\!$
Smart Filter Name New_Filter Smart Filter Measure	Description	Owner test1@mobsted.com(You) ~	
CONDITIONS			
ActionName • 🖬 =	▼ Water Delivery Or ▼ ×		
SORTING			
Properties 👻 🗙			
ACCEPTON			
Properties Aggregate function	×		
PERIOD			
WHERE Properties • 🗮 🔀			
LIMIT FILTER RETURNED COLUMNS			
to speed up mobile of work, select once the columns you need			
PLEASE NOTE - each fliter can be called from UI of a mobile user as either Objec #ObjectsFilter#, and ALL of the selected columns below if #EventsFilter# is called	I's filter or Event's filter depending on which results you need, using because Objects have a "1-many" connection to Events. Meaning	g #EventsFilter:filter_name# or #ObjectsFilter:filter_name# commands. The selection below will always return just Ot g an Event CAN know which Object it belogs to and return its Object's data, but a filtered Object has many Events.	ojects data for
OBJECT	EVENT	STATUS	
Check all Uncheck all	Check all Uncheck all	Check all Uncheck all	
		_	
Address	3RReactedRespDate	ApplicationId	
	3RReactedStatusDate	BackgroundColor	
Automatical Imezone	3RReadDate apparent adDate	Category	
Chamelush	Action/lamo		
	ApplicationId		
	BackendRead		
	CreateDate		
			Save Changes

Click Create new trigger

- Configure your new trigger
 Name your trigger (RED MARK)
 choose Events in trigger scope (GREEN MARK)
 choose Automatic in trigger mode (ORANGE MARK)
 choose Instantly in On new data, appearing (BLUE MARK)
 click Start automatic mode (Red button)

T Edit Smart Filter 5 Triggers		
Trigger name	Holiday	Add Operation This new
New Trigger	Operation Name	
Trigger Scope		
Events		
Trigger mode		
Automatic +		
All existing data, scheduled:		
OFF ON Schedule (Coming soon)		
Limit number of executions: No limits Enter number of executions 1		
Until date		
On new data, appearing: OFF OFF Instantly Scheduled: Scheduled:		
Start automatic mode		
Close Save trigger		

Choose UpdateAddress operation in the drop-down and click Add Operation

V Edit Oneort Filter	L Trimon			
T Edit Smart Filter	Triggers			
Trigger name			Holiday	•
New Trigger				-
Timen Come			Holiday	
Objects			NewOperation	
Events			Get Event	
Trigger mode			Update_obj_event_id	
Automatio		•	Update_obj_event_id_clean	
Automatic		•	AddEventStr	
All existing data, scheduled:			Get_Event	
OFF ON Schedule (Coming :	soon)		SendMessage	
			UpdateAddress	
Limit number of executions:				

Close filter's window

Done, now let us check how it works.

Checking the result

You are in the **Objects** section.

15.

Open the app for any object (RED MARK). Make sure that all cells in column Address are EMPTY (GREEN MARK).

	GENERAL		INTEGRATIONS	AP	SETUP			APP DATA							
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ADD FIL	TER													HIDE	FILTERS 💐
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To open app in your desktop browser(GREEN MARK) or in your mobile - scan QR (RED MARK)



Go to Water delivery page of the Demoapp and make an order. In few seconds trigger will check the new event with ActionName = Water Delivery Order and execute the chosen API operation (UpdateAddress). This ActionName is assigned to a button in the Demoapp. If you refer to point 11 above we did set up Filter to look for it.

Ν	lobsted Demo App		Water Delivery][Order Water						
	List of examples		Water Delivery		Your phone						
When you are in Mobsted backend - a screen number with a name is where the example is made. Ignore all "Intro" screens.			General Description All previous examples show basic platform's functions. Now you could see how based on previous examples, a simple water ordering		Mobile phone +55500001						
Ê	1. Static Forms	>	app was be made and understand how it was assembled.		Select ONE bottle size						
۵	2. Dynamic Forms	>	Screen mechanics Most previous examples come together in this	6	25 Oz 30 Oz 35 Oz \$1 \$2 <u>\$</u> 3						
	3. Math expressions & operations	>	app: 1. "Static Forms" - lesson used for names and beaders	1	Select how many bottles						
C,	4. Updating Object	>	 "Dynamic Forms" - used to make selection of the bottle's size and showing pricing results "Math expressions & operations" - 	6			_				
▼ 47	 5. Filters Count 6. Filters Iterate 	>	calculating order results 4. "Updating Object" - user's phone number can be updated on confirming an order 5. "Create Event" - an order is recorded into		Selected summary	Size: Price: Amount:	25Oz 1\$ 1				
Ð	7. Create Event	>	the backend with information on user and order content 6. "Filters" - a filter is already pre-created for this app, so that you can to an API call to see			Total:	1\$				
⊞	8. Operation Loop Screen	>	this app, so that you can by an Ar can to see that order data can be pulled into a system of your choice. More details			Send order					
	9. Water delivery	>	Time to Create		Order created!To find the Submitted data follow:Login \rightarrow Demo App \rightarrow Events (Top menu)						
			Rookie: 240 min. Experienced user: 90 min.			 Back to intro 					
			Continue Continue Continue back List of examples								

Go to the Objects in DemoApp and find the updated cell in your objects' column.

GENERAL			INTEGRATIONS	1	APP SETUP					APP DATA								
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Done.