

Trigger an Operation on Filtered data

- [Creating operations](#)
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- [Checking the result](#)

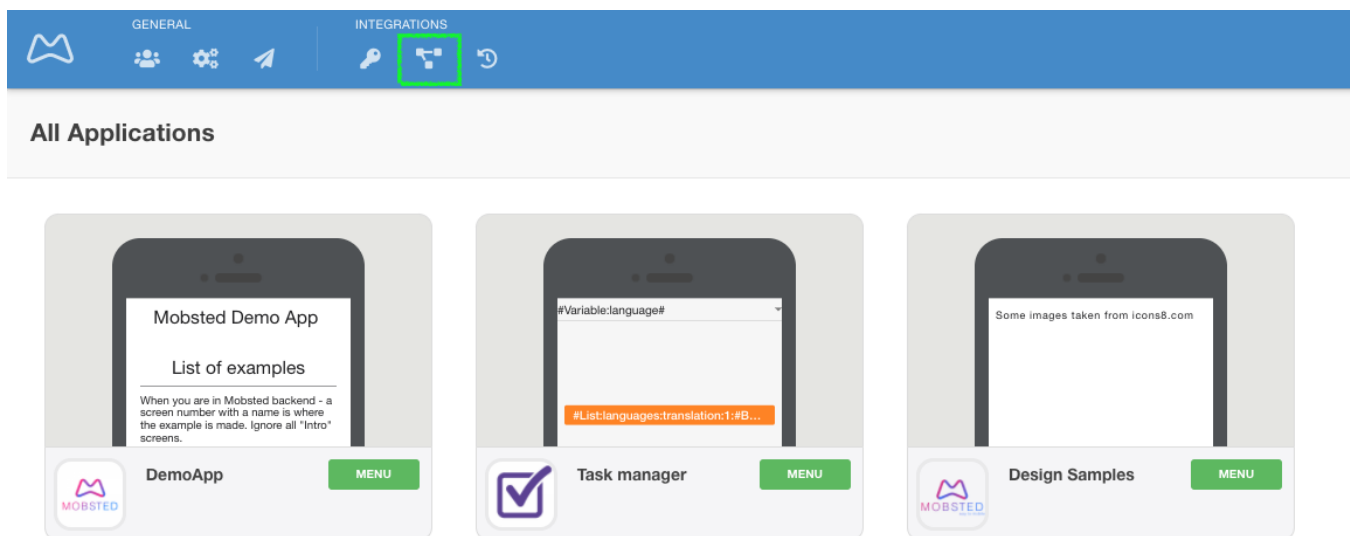
You can create Operations to be run based on any data that changes within your app. For example if a new event is created by a user, like a "New Order", or if any data within your app is updated, like payment balance, or order status, etc.

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



2.

Click **Add Operation** (**RED MARK**)

GENERALINTEGRATIONS

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

3.

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

Mobstedv8

1.1 Creating Object

1.2 Object Create/Update

1.3 Send message to an object

1.4 Getting the list of Objects

1.5 Getting Object data

1.6 Updating Object data

1.7 Deleting Object

1.8 Create object, get it's unique entry short link and send an invite message (an option)

Mobsted

Holidays Provider

Operation Name

NewOperation

DATA TRANSFORMATION

Add Transformation

CONDITIONAL DATA TRANSFORMATION

Add Conditional Data Transformation

EXECUTION

API Key

Choose API key...

API Application

Choose API Application ...

Add Field = Value pair

4.

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	<input type="text" value="key"/>	▼
API Application	<input type="text" value="Choose API Application ..."/>	
applicationId	<input type="text" value="#Application:id#"/>	• 🔒
Email	<input type="text"/>	🔒
Phone	<input type="text"/>	🔒
HomeScreen	<input type="text"/>	🔒
Enabled	<input type="text"/>	🔒

➕ Add Field = Value pair

5.

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

EXECUTION

API Key

key

API Application

Choose API Application ...

applicationId

#Application:id#

lock

Email

lock

Phone

lock

HomeScreen

lock

Enabled

lock

edit x

+ Add Field = Value pair

Name

Address

In

query

Type

string

Description

☐ Required

Save

6.

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#

lock

Email

lock

Phone

lock

HomeScreen

lock

Enabled

lock

Address

some info

edit x

+ Add Field = Value pair

Close **Save Operation**

7.

Close **Operations** window

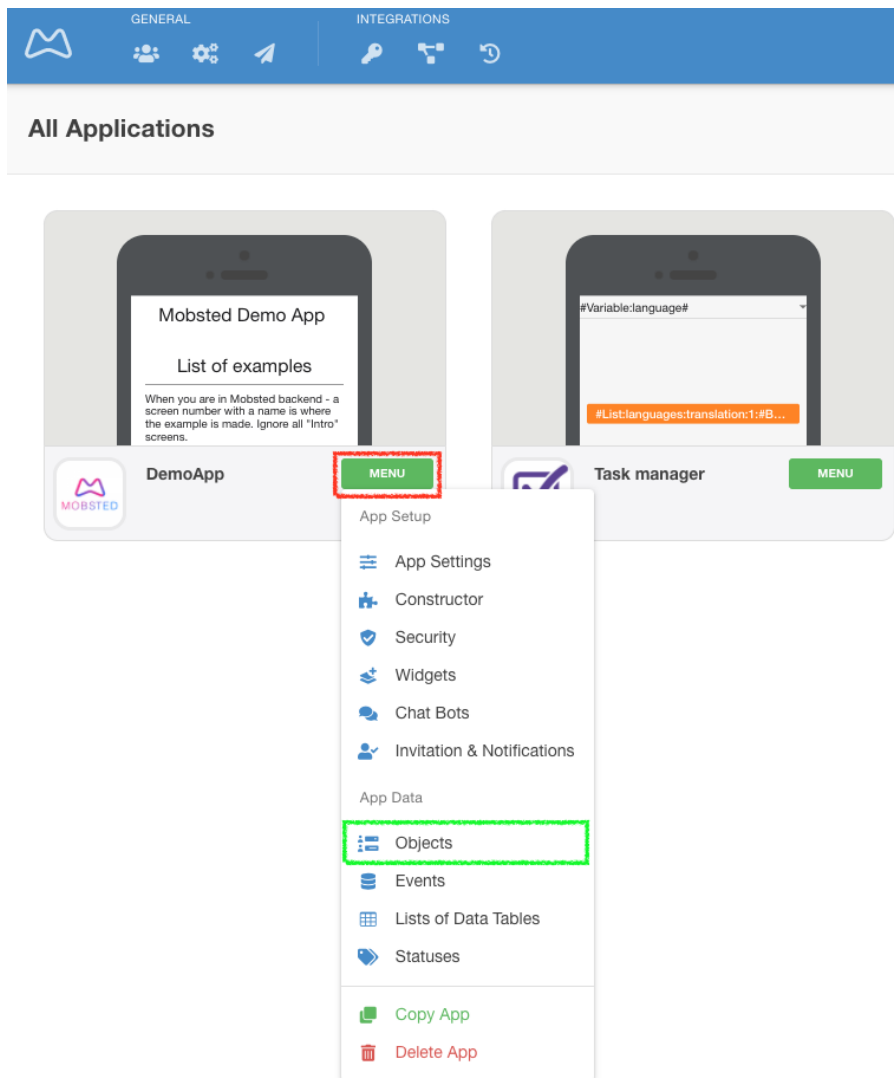
The operation is ready to use in the trigger or in the mobile app as Action.

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)



9.

Click **Add filter** (GREEN MARK)

GENERAL
INTEGRATIONS
APP SETUP
APP DATA

+ ADD FILTER

Email

Age_less_than

Doing_Filter

Age

Age_and_Email

0

0 records

long time ago

n/a

Sorry, an error calc

n/a records

long time ago

n/a

Sorry, an error calc

n/a records

long time ago

n/a

Sorry, an error calc

n/a records

long time ago

n/a

Sorry, an error calc

n/a records

long time ago

Import

Export CSV

... Add Object

Add Custom Column

Add Primary Email

Add Primary Phone

Add PIN

10.

Click **Create New Filter** (RED MARK)

GENERAL
INTEGRATIONS
APP SETUP
APP DATA

+ ADD FILTER

Email

Age_less_than

Doing_Filter

Age

0

0 records

long time ago

n/a

Sorry, an error calc

n/a records

long time ago

n/a

Sorry, an error calc

n/a records

long time ago

n/a

Sorry, an error calc

n/a records

long time ago

Create New Filter

OR

Choose from Existing filters

11.

Configure your new filter.
Choose **ActionName** in events section (RED MARK) and **equals + Water Delivery Order** in value section (RED MARK)

13.

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**)

Edit Smart Filter

Triggers

Trigger name

New Trigger

Trigger Scope

☐ Objects

☒ 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

ON

☒ Instantly

☐ Scheduled:

Schedule (Coming soon...)

Start automatic mode

Holiday

Add Operation

This new

Operation Name

Close

Save trigger

14.
Choose **UpdateAddress** operation in the drop-down and click **Add Operation**

Edit Smart Filter **Triggers**

Trigger name
New Trigger

Trigger Scope
☐ Objects
☒ Events

Trigger mode
Automatic

All existing data, scheduled:
OFF ☐ ON ☐ Schedule (Coming soon...)

Limit number of executions:
☐ No limits

Operations:
Holiday
NewOperation
Get Event
Update_obj_event_id
Update_obj_event_id_clean
AddEventStr
Get_Event
SendMessage
UpdateAddress

Add Operation This list contains only one new one

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** **APP SETUP** **APP DATA**

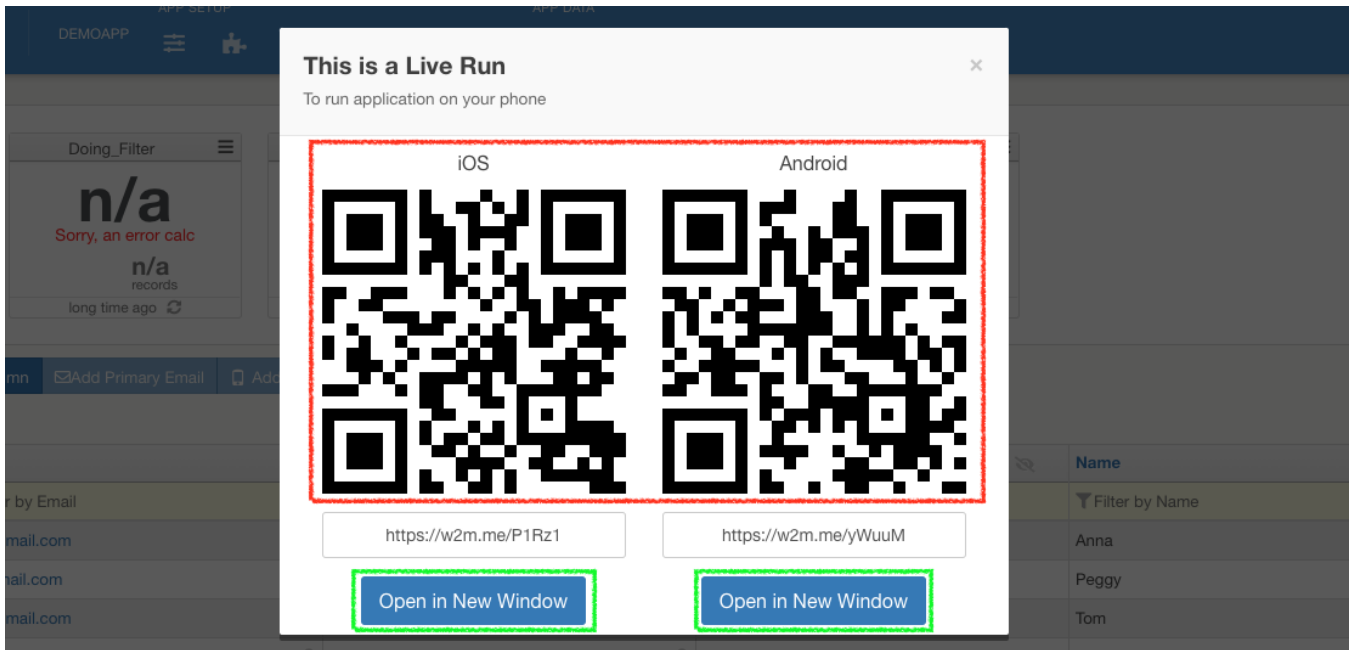
ADD FILTER **HIDE FILTERS**

Filters: New_Filter (1 records), Email (0 records), Age_less_than (n/a records), Doing_Filter (n/a records), Age (n/a records), Age_and_Email (n/a records), Order_Water (2 records)

Actions: Import, Export CSV, Add Object, Add Custom Column, Add Primary Email, Add Primary Phone, Add PIN

objects_id	Enabled	LoginUrl	Email	Phone	Age	Name	Address
32	<input checked="" type="checkbox"/>	open app	21@gmail.com	+1232424	48	Anna	
31	<input checked="" type="checkbox"/>	open app	2@gmail.com	+9999999	36	Peggy	
30	<input checked="" type="checkbox"/>	open app	23@gmail.com	+11222333444	44	Tom	
27	<input checked="" type="checkbox"/>	open app	234@gmail.com	+55500001	32	Alex	

To open app in your desktop browser(**GREEN MARK**) or in your mobile - scan QR (**RED MARK**)



- 16.
- 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.

Mobsted Demo App

List of examples

When you are in Mobsted backend - a screen number with a name is where the example is made. Ignore all "Intro" screens.

1. Static Forms

2. Dynamic Forms

3. Math expressions & operations

4. Updating Object

5. Filters Count

6. Filters Iterate

7. Create Event

8. Operation Loop Screen

9. Water delivery

Water Delivery

General Description

All previous examples show basic platform's functions. Now you could see how based on previous examples, a simple water ordering app was be made and understand how it was assembled.

Screen mechanics

Most previous examples come together in this app:

1. "Static Forms" - lesson used for names and headers

2. "Dynamic Forms" - used to make selection of the bottle's size and showing pricing results

3. "Math expressions & operations" - 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 the backend with information on user and order content

6. "Filters" - a filter is already pre-created for this app, so that you can try an API call to see that order data can be pulled into a system of your choice.

[More details](#)

Time to Create

Rookie: 240 min.
Experienced user: 90 min.

Continue

back

List of examples

Order Water

Your phone

Mobile phone
+55500001

Select ONE bottle size

25 Oz
\$1

30 Oz
\$2

35 Oz
\$3

Select how many bottles
1

Selected summary

Size: 25Oz
Price: 1\$
Amount: 1
Total: 1\$

Send order

Order created!

To find the Submitted data follow:
Login → Demo App → Events (Top menu)

Back to intro

17.

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

GENERALINTEGRATIONSAPP SETUPAPP DATA

ADD FILTERHIDE FILTERS

New_Filter1 records
more than an hour ago

Email0 records
long time ago

Age_less_than n/a records
Sorry, an error calc
long time ago

Doing_Filter n/a records
Sorry, an error calc
long time ago

Age n/a records
long time ago

Age_and_Email n/a records
Sorry, an error calc
long time ago

Order_Water2 records
long time ago

ImportExport CSVAdd ObjectAdd Custom ColumnAdd Primary EmailAdd Primary PhoneAdd PIN

objects_id	Enabled	LoginUrl	Email	Phone	Age	Name	Address
32	open app	321@gmail.com	+1232424	48	Anna		
31	open app	12@gmail.com	+9999999	36	Peggy		
30	open app	123@gmail.com	+111222333444	44	Tom		
27	open app	1234@gmail.com	+55500001	32	Alex	some info	

Done.