

Events

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Creating events

Cloudera Data Visualization allows you to create new events in a dataset.

About this task

To demonstrate how to create new events, the Campaign dataset is used in this example, based on data previously imported into Cloudera Data Visualization from a data file.

To create a new event in the dataset Campaign, follow these steps:

Procedure

1. On the main navigation bar, click DATA.

The Data view appears open on the Datasets tab.

2. Find the dataset in the list of datasets, either by scrolling or by using search, click on it, and select the Campaign dataset.

Dataset side navigation appears open at Dataset Detail view.

3. In the side navigation menu, click Events.

The Events interface appears.

Dataset Detail

Dataset: Campaign [Edit](#) [New Dashboard](#)

Detail

Table: documentation.campaign

Connection Type: Arcadia

Data Connection: Arcadia Enterprise [Edit](#)

Description: [Edit](#)

Associated Logical View: [Edit](#)

Join Elimination: Enabled [Edit](#)

Result Cache: From Connection [Edit](#) [Cache](#)

Incremental Results: Disabled [Edit](#)

ID: 321

Created on: May 23, 2018 09:18 PM

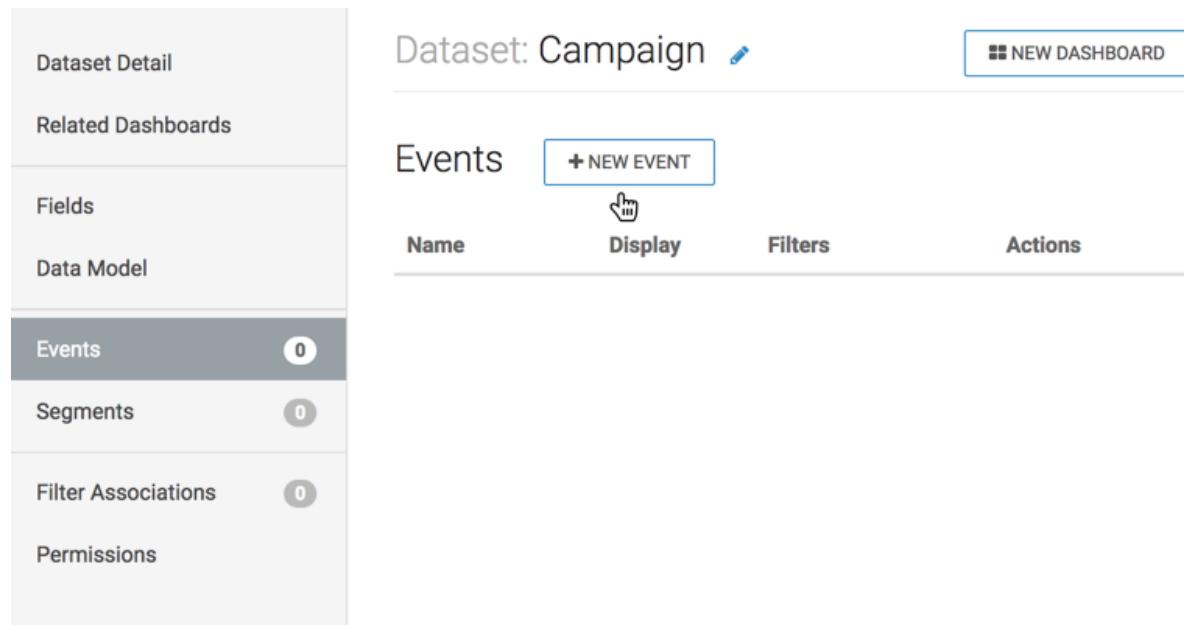
Created by: admin

Last updated: May 23, 2018 09:18 PM

Last updated by: admin

4. In the Events interface, click New Event.

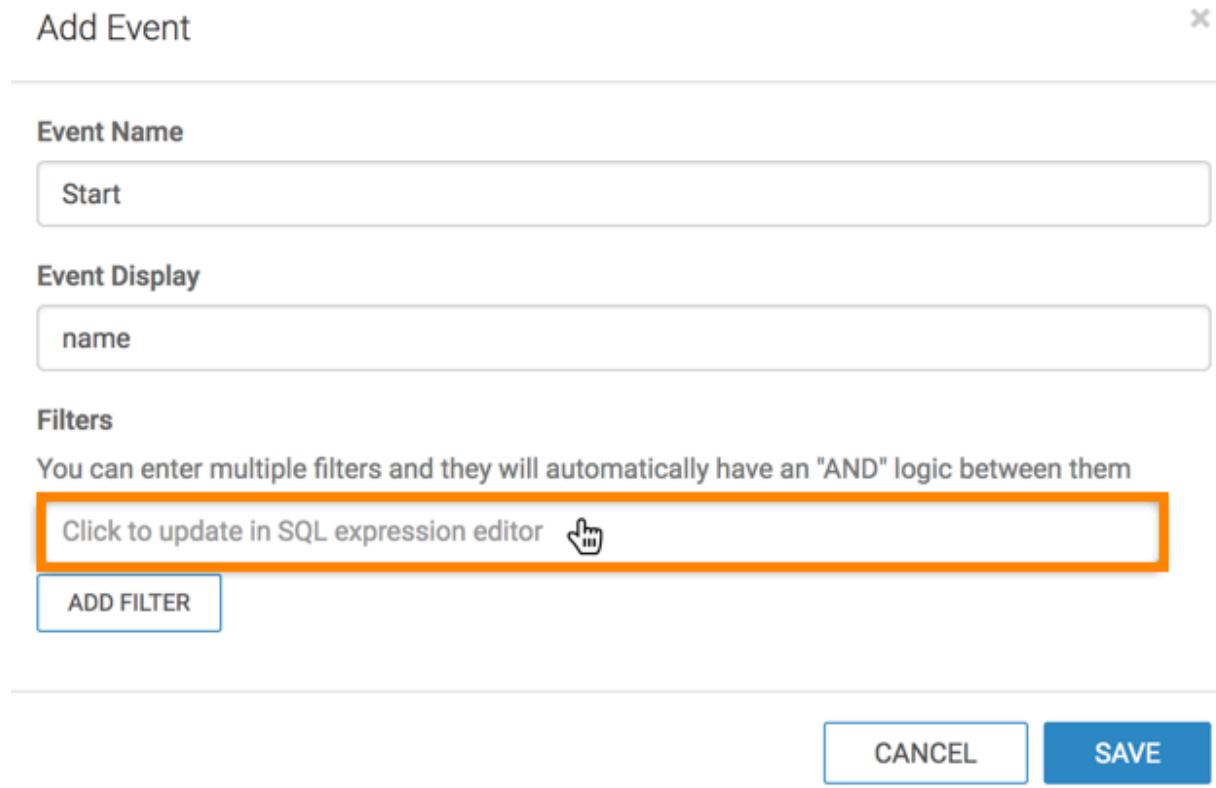
The Add Event modal window appears.



The screenshot shows the 'Events' section of the Cloudera Data Visualization interface. The left sidebar has tabs for Dataset Detail, Related Dashboards, Fields, Data Model, Events (selected), Segments, Filter Associations, and Permissions. The main area shows a list of events under the 'Events' tab, with a '+ NEW EVENT' button. The 'Display' tab is selected in the header.

5. In the Add Event modal window, add the following:

- Under Event Name, enter Start.
- Under Event Display, enter name.
- Under Filters, click the text box to open the Filter Expression modal window.



The screenshot shows the 'Add Event' modal window. It has fields for 'Event Name' (containing 'Start'), 'Event Display' (containing 'name'), and 'Filters' (a text box with placeholder 'Click to update in SQL expression editor'). The 'Filters' field is highlighted with an orange border. At the bottom are 'CANCEL' and 'SAVE' buttons.

6. In the The Filter Expression modal window, enter the following expression: name='\$session_started'

Filter Expression

Enter an expression that can serve as a WHERE clause. For example: event_type="login"

`name='$session_started'`

All Functions

- abs
- AND
- avg
- BETWEEN
- CASE
- cast
- char
- coalesce
- count

All Fields

- 1.2 duration
- # event_id_hi
- # event_id_lo
- A name
- # parent_event...
- # parent_event...
- # Record Count
- calendar timestamp
- A user id

VALIDATE EXPRESSION Autocomplete on

CANCEL **APPLY**

7. Click APPLY to save the filter expression and return to the Add Event modal window.

In the Add Event window modal, you can see that the Filters field contains the specified expression.

8. Click **SAVE**.

Add Event

Event Name

Event Display

Filters

You can enter multiple filters and they will automatically have an "AND" logic between them

ADD FILTER

CANCEL **SAVE**

The new event definition appears in the Events interface. The following actions are available for this event: Edit, Clone, and Delete.

Name	Display	Filters	Actions
Start	name	name='\\$session_started'	Edit Clone Delete

9. Repeat the preceding steps to create six additional events for this dataset, as defined in the following table.

You already created the event in the first row. Alternatively, you can create new events by cloning existing events. For more information, see *Cloning Events*.

Table 1: Events of the Campaign dataset

Event Name	Event Display	Filters
Start	name	name='\\$session_started'

Event Name	Event Display	Filters
All application events	name	name!='\$session_started' AND name!='\$session_ended'
First app use	name	name='\$first_used_app'
Not a purchase	name	name!='\$purchase'
All non-purchase application events	name	name!='\$session_started' name!='\$session_ended' name!='\$purchase'
Purchase	name	name='\$purchase'
End	name	name='\$session_ended'

When you finish defining all events for the dataset, your list of events should look similar to the following:

Name	Display	Filters	Actions
Start	name	name='\$session_started'	Edit Clone Delete
All application events	name	name!='\$session_started' AND name!='\$session_ended'	Edit Clone Delete
First app use	name	name='\$first_used_app'	Edit Clone Delete
Not a purchase	name	name!='\$purchase'	Edit Clone Delete
All non-purchase application events	name	name!='\$session_ended' AND name!='\$session_started' AND name!='\$purchase'	Edit Clone Delete
Purchase	name	name='\$purchase'	Edit Clone Delete
End	name	name='\$session_ended'	Edit Clone Delete

Related Information

[Cloning events](#)

Cloning events

Cloudera Data Visualization allows you to clone events in a dataset.

About this task

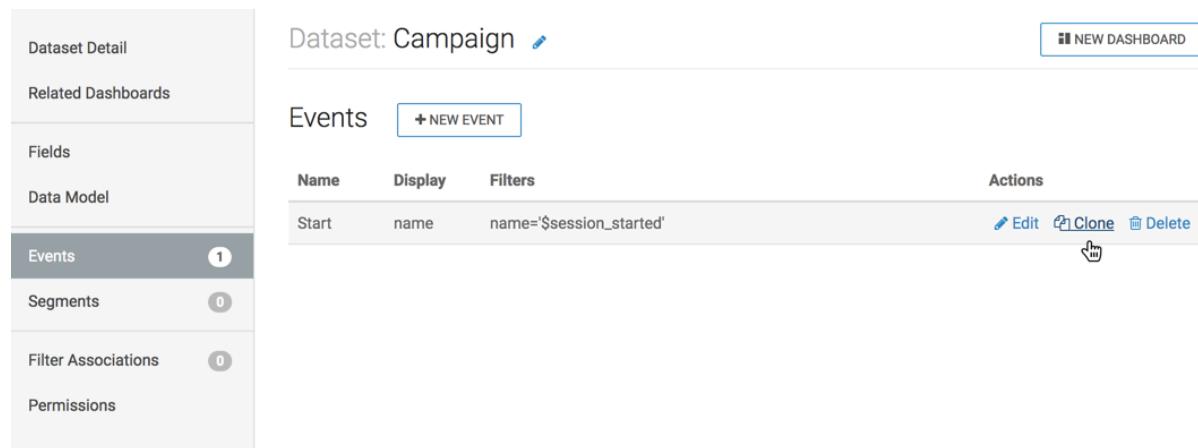
The following steps demonstrate how to create a new event in the dataset by cloning an existing one. You can use the event Start that was set up in *Creating Events*.

Procedure

1. On the main navigation bar, click DATA.
2. Select Campaign dataset.
3. Dataset side navigation appears, open at Dataset Detail view.
3. In the side navigation menu, click Events.

4. In the Events list, find the event to clone, and click Clone.

In this example, the Start event is cloned.



Dataset Detail

Related Dashboards

Fields

Data Model

Events **1**

Segments **0**

Filter Associations **0**

Permissions

Dataset: Campaign

+ NEW EVENT

Name	Display	Filters	Actions
Start	name	name=\$session_started	Edit Clone Delete

A populated Add Event modal window appears.

Add Event

Event Name

Event Display

Filters

You can enter multiple filters and they will automatically have an "AND" logic between them

-

-

ADD FILTER

CANCEL **SAVE**

5. In the Add Event modal window, update the following entries:

- Change Event Name from Copy of Start to End.
- Under Filters, click the filter expression text box that contains name='\$session_started', to open a Filter Expression modal window and edit the expression.

Add Event X

Event Name

End

Event Display

name

Filters

You can enter multiple filters and they will automatically have an "AND" logic between them

name='\$session_started' ✖

Click to update in SQL expression editor ✖

ADD FILTER

CANCEL SAVE

6. In the Filter Expression modal window, enter the following expression: name='\$session_ended'

7. Click Validate Expression to test the expression.

8. Click **APPLY** to save the new filter expression and return to the Add Event modal window.

Filter Expression

Enter an expression that can serve as a WHERE clause. For example: event_type="login"

```
name='$session_ended'
```

Autocomplete on

```
abs
acos
add_months
adddate
AND
appx_median
ascii
asin
atan
avg
```

```
`campaign_d...
duration
#event_id_hi
#event_id_lo
name
#parent_event...
#parent_event...
timestamp
user_id
```

In the Add Event modal window, you can see that the Filters field contains the specified expression.

Add Event

Event Name

Event Display

Filters

You can enter multiple filters and they will automatically have an "AND" logic between them

-

-

9. Click **SAVE**.

The new event definition appears in the Events interface.

Name	Display	Filters	Actions
Start	name	name=\$session_started	Edit Clone Delete
End	name	name=\$session_ended	Edit Clone Delete

Related Information

[Creating events](#)

Editing events

Cloudera Data Visualization allows you to edit the details of an event defined on a dataset.

About this task

The following steps demonstrate how to edit an event in a dataset. You can use the event *All application events* that was created in *Creating Events*.

Procedure

1. On the main navigation bar, click **DATA**.
2. Select **Campaign** dataset.
3. Dataset side navigation appears, open at Dataset Detail view.
4. In the side navigation menu, click **Events**.
5. In the Events list, find the event to edit, and click **Edit**.

In this example, an event called *All application events* is edited.

Name	Display	Filters	Actions
Start	name	name=\$session_started	Edit Clone Delete
All application events	name	name=\$session_started AND name=\$session_ended	Edit Clone Delete
End	name	name=\$session_ended	Edit Clone Delete

An Edit Event modal window appears.

5. You can change all the entries in Edit Event modal window.

In this example:

- Leave Event Name 'as is'.
- Leave Event Display 'as is'.
- Under Filters, click the filter expression text box name='\$session_started'AND name='\$session_ended', to open a Filter Expression modal window and edit the expression.

Add Event X

Event Name

All application events

Event Display

name

Filters

You can enter multiple filters and they will automatically have an "AND" logic between them

name='\$session_started'AND name='\$session_ended' [edit]

ADD FILTER

CANCEL SAVE

The Filter Expression modal window appears.

6. In the Filter Expression modal window, enter the following expression:

```
name='$session_started'AND name='$session_ended'AND name='$purchase'
```

7. Click APPLY to save the new filter expression and return to the Edit Event modal window.

Filter Expression

Enter an expression that can serve as a WHERE clause. For example: event_type="login"

name='\$session_started' AND name='\$session_ended' AND name='\$purchase'

Autocomplete on

All Functions

All Fields

`abs`
`acos`
`add_months`
`adddate`
`AND`
`aprx_median`
`ascii`
`asin`
`atan`

`1.2 duration`
`# event_id_hi`
`# event_id_lo`
`A name`
`# parent_event...`
`# parent_event...`
`timestamp`
`A user_id`

8. In the Edit Event modal window, click SAVE.

Edit Event

Event Name

Event Display

Filters

You can enter multiple filters and they will automatically have an "AND" logic between them

-

-

[ADD FILTER](#)

[CANCEL](#) SAVE

The renamed/edited event appears in the Events interface.

Dataset Detail

Related Dashboards

Fields

Data Model

Analytical Views 0

Events 3

Segments 0

Filter Associations 0

Permissions

Dataset: Campaign

[NEW DASHBOARD](#)

Events [+ NEW EVENT](#)

Name	Display	Filters	Actions
Start	name	name='\$session_started'	
End	name	name='\$session_ended'	
All application events	name	name='\$session_started'AND name='\$session_ended'AND name='\$purchase'	

Related Information

[Creating events](#)

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Deleting events

Cloudera Data Visualization allows you to delete an event defined on a dataset.

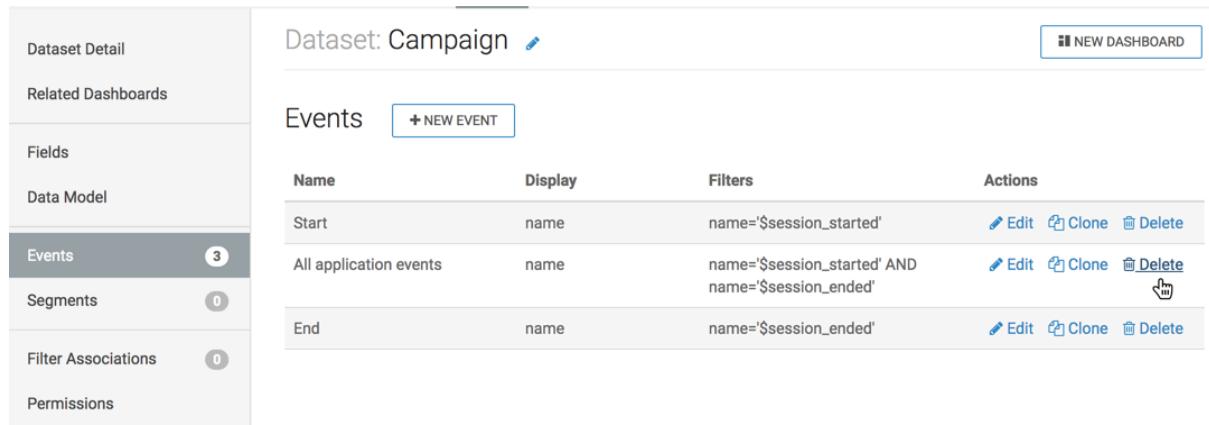
About this task

In this example, the event All application events will be deleted.

Procedure

1. On the main navigation bar, click DATA.
2. Select the Campaign dataset.
Dataset side navigation appears, open at Dataset Detail view.
3. In the side navigation menu, click Events.
4. In the Events list, find the event to delete, and click Delete.

In this example, the event All application events will be deleted.

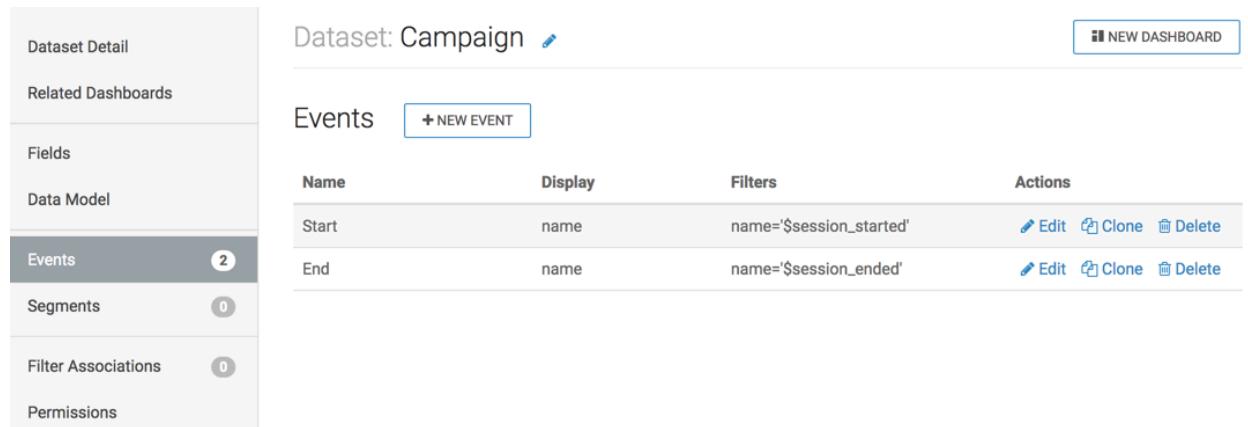


Name	Display	Filters	Actions
Start	name	name='\$session_started'	Edit Clone Delete
All application events	name	name='\$session_started' AND name='\$session_ended'	Edit Clone Delete
End	name	name='\$session_ended'	Edit Clone Delete

5. In the confirmation window modal, click DELETE.

Results

The event End no longer appears in the Events interface.



Name	Display	Filters	Actions
Start	name	name='\$session_started'	Edit Clone Delete
End	name	name='\$session_ended'	Edit Clone Delete