

## Events

Date published: 2020-10-30

Date modified: 2024-10-30

# CLOUDERA

# Legal Notice

© Cloudera Inc. 2024. All rights reserved.

The documentation is and contains Cloudera proprietary information protected by copyright and other intellectual property rights. No license under copyright or any other intellectual property right is granted herein.

Unless otherwise noted, scripts and sample code are licensed under the Apache License, Version 2.0.

Copyright information for Cloudera software may be found within the documentation accompanying each component in a particular release.

Cloudera software includes software from various open source or other third party projects, and may be released under the Apache Software License 2.0 (“ASLv2”), the Affero General Public License version 3 (AGPLv3), or other license terms. Other software included may be released under the terms of alternative open source licenses. Please review the license and notice files accompanying the software for additional licensing information.

Please visit the Cloudera software product page for more information on Cloudera software. For more information on Cloudera support services, please visit either the Support or Sales page. Feel free to contact us directly to discuss your specific needs.

Cloudera reserves the right to change any products at any time, and without notice. Cloudera assumes no responsibility nor liability arising from the use of products, except as expressly agreed to in writing by Cloudera.

Cloudera, Cloudera Altus, HUE, Impala, Cloudera Impala, and other Cloudera marks are registered or unregistered trademarks in the United States and other countries. All other trademarks are the property of their respective owners.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH CLOUDERA, CLOUDERA DOES NOT MAKE NOR GIVE ANY REPRESENTATION, WARRANTY, NOR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH CLOUDERA TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. CLOUDERA DOES NOT WARRANT THAT CLOUDERA PRODUCTS NOR SOFTWARE WILL OPERATE UNINTERRUPTED NOR THAT IT WILL BE FREE FROM DEFECTS NOR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION NOR UNAVAILABILITY, NOR THAT IT WILL MEET ALL OF CUSTOMER’S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, CLOUDERA EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, QUALITY, NON-INFRINGEMENT, TITLE, AND FITNESS FOR A PARTICULAR PURPOSE AND ANY REPRESENTATION, WARRANTY, OR COVENANT BASED ON COURSE OF DEALING OR USAGE IN TRADE.

# Contents

**Creating events.....4**

**Cloning events..... 8**

**Editing events..... 12**

**Deleting events.....16**

## 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: Campaign**

**NEW DASHBOARD**

### Detail

Table: documentation.campaign

Connection Type: Arcadia

Data Connection: Arcadia Enterprise

Description:

Associated Logical View:

Join Elimination: Enabled

Result Cache: From Connection

Incremental Results: Disabled

---

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' interface for a dataset named 'Campaign'. On the left is a sidebar with navigation links: 'Dataset Detail', 'Related Dashboards', 'Fields', 'Data Model', 'Events' (highlighted with a count of 0), 'Segments' (count of 0), 'Filter Associations' (count of 0), and 'Permissions'. The main area has a header 'Dataset: Campaign' with a 'NEW DASHBOARD' button. Below this is an 'Events' section with a '+ NEW EVENT' button and a table with columns: 'Name', 'Display' (with a hand icon), 'Filters', and 'Actions'.

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 'Add Event' modal window is shown. It has a title bar 'Add Event' with a close button. The form contains three sections: 'Event Name' with a text input containing 'Start'; 'Event Display' with a text input containing 'name'; and 'Filters' with a text input containing 'Click to update in SQL expression editor' and a hand icon. Below the filters input is an 'ADD FILTER' button. At the bottom right 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'

VALIDATE EXPRESSION

☒ Autocomplete on

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  
timestamp  
A user id

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

Start

Event Display

name

Filters

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

name='\$session\_started'

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.

Dataset Detail

Related Dashboards

Fields

Data Model

Events1

Segments0

Filter Associations0

Permissions

Dataset: Campaign

NEW DASHBOARD

Events

NEW EVENT

Name	Display	Filters	Actions
Start	name	name='\$session_started'	<div>EditCloneDelete</div>

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:

Dataset Detail  
Related Dashboards  
Fields  
Data Model  
Analytical Views 0  
**Events 7**  
Segments 0  
Filter Associations 0  
Permissions

Dataset: Campaign [✎](#)

NEW DASHBOARD

Events

NEW EVENT

Name	Display	Filters	Actions
Start	name	name='\$session_started'	<a href="#">✎ Edit</a> <a href="#">🔗 Clone</a> <a href="#">🗑 Delete</a>
All application events	name	name!='\$session_started' AND name!='\$session_ended'	<a href="#">✎ Edit</a> <a href="#">🔗 Clone</a> <a href="#">🗑 Delete</a>
First app use	name	name='\$first_used_app'	<a href="#">✎ Edit</a> <a href="#">🔗 Clone</a> <a href="#">🗑 Delete</a>
Not a purchase	name	name!='\$purchase'	<a href="#">✎ Edit</a> <a href="#">🔗 Clone</a> <a href="#">🗑 Delete</a>
All non-purchase application events	name	name!='\$session_ended' AND name!='\$session_ended' AND name!='\$purchase'	<a href="#">✎ Edit</a> <a href="#">🔗 Clone</a> <a href="#">🗑 Delete</a>
Purchase	name	name='\$purchase'	<a href="#">✎ Edit</a> <a href="#">🔗 Clone</a> <a href="#">🗑 Delete</a>
End	name	name='\$session_ended'	<a href="#">✎ Edit</a> <a href="#">🔗 Clone</a> <a href="#">🗑 Delete</a>

## 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.  
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 DASHBOARD

Events

NEW EVENT

Name	Display	Filters	Actions
Start	name	name='\$session_started'	<div>EditCloneDelete</div>

A populated Add Event modal window appears.

Add Event

Event Name

Copy of Start

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

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 ×



---


**Event Name**

**Event Display**

**Filters**

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



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'

VALIDATE EXPRESSION

☒ Autocomplete on

All Functions

abs  
acos  
add\_months  
adddate  
AND  
appx\_median  
ascii  
asin  
atan  
avg

All Fields & Tables

`campaign\_d...  
1.2 duration  
# event\_id\_hi  
# event\_id\_lo  
A name  
# parent\_event...  
# parent\_event...  
timestamp  
A user\_id

CANCEL

APPLY

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

Add Event

Event Name

End

Event Display

name

Filters

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

name='\$session\_ended'

Click to update in SQL expression editor

ADD FILTER

CANCEL

SAVE

11

9. Click SAVE.
- The new event definition appears in the Events interface.

Dataset Detail

Related Dashboards

Fields

Data Model

**Events** 2

Segments 0

Filter Associations 0

Permissions

Dataset: Campaign

NEW DASHBOARD

Events

NEW EVENT

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

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

- On the main navigation bar, click DATA.
  - Select Campaign dataset.  
Dataset side navigation appears, open at Dataset Detail view.
  - In the side navigation menu, click Events.
  - In the Events list, find the event to edit, and click Edit.
- In this example, an event called All application events is edited.

Dataset Detail

Related Dashboards

Fields

Data Model

**Events** 3

Segments 0

Filter Associations 0

Permissions

Dataset: Campaign

NEW DASHBOARD

Events

NEW EVENT

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

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

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' 

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'

VALIDATE EXPRESSION

☒ Autocomplete on

All Functions

abs  
acos  
add\_months  
adddate  
AND  
appx\_median  
ascii  
asin  
atan

All Fields

1.2 duration  
# event\_id\_hi  
# event\_id\_lo  
A name  
# parent\_event...  
# parent\_event...  
timestamp  
A user\_id

CANCEL

APPLY

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

Edit Event

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'AND name='\$purchase'

Click to update in SQL expression editor

ADD FILTER

CANCEL

SAVE

The renamed/edited event appears in the Events interface.

Dataset Detail

Related Dashboards

Fields

Data Model

Analytical Views

Events

Segments

Filter Associations

Permissions

Dataset: Campaign

NEW DASHBOARD

Events

Name	Display	Filters	Actions
Start	name	name='\$session_started'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>
End	name	name='\$session_ended'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>
All application events	name	name='\$session_started'AND name='\$session_ended'AND name='\$purchase'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>

Related Information

Creating events

## Deleting events

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

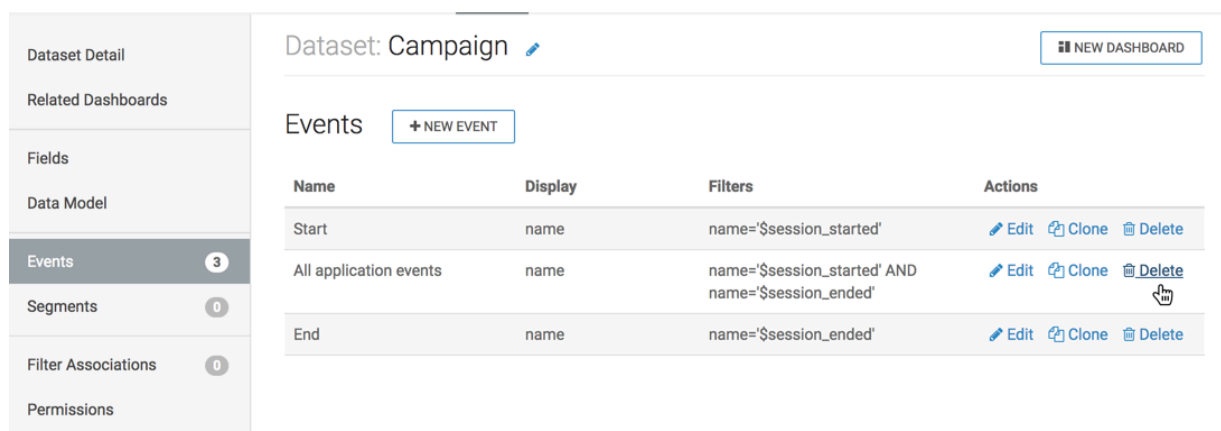
### About this task

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.



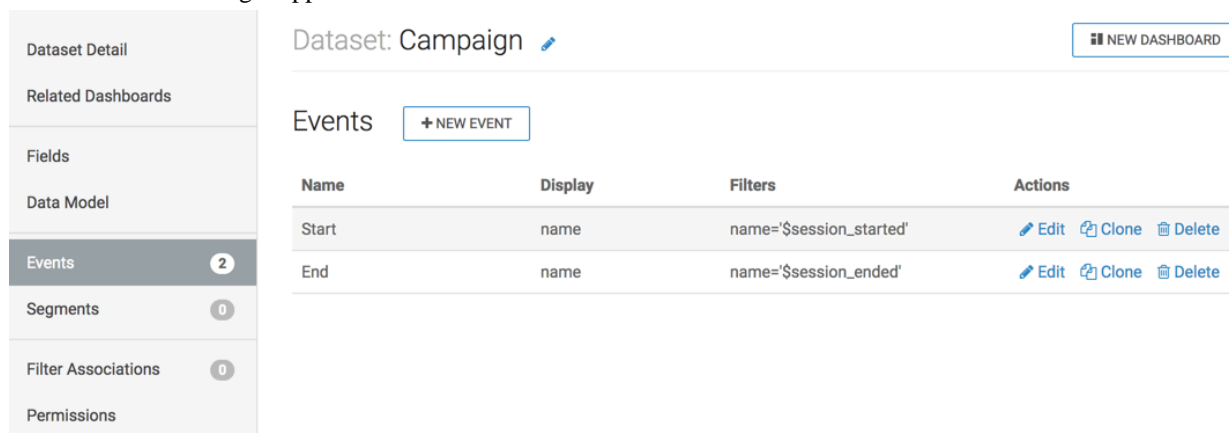
The screenshot shows the 'Dataset: Campaign' view. On the left, the 'Events' menu item is selected, showing a count of 3. The main area displays a table of events:

Name	Display	Filters	Actions
Start	name	name='\$session_started'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>
All application events	name	name='\$session_started' AND name='\$session_ended'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>
End	name	name='\$session_ended'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>

5. In the confirmation window modal, click DELETE.

### Results

The event End no longer appears in the Events interface.



The screenshot shows the 'Dataset: Campaign' view after the deletion. The 'Events' menu item now shows a count of 2. The main area displays a table of events:

Name	Display	Filters	Actions
Start	name	name='\$session_started'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>
End	name	name='\$session_ended'	<a href="#">Edit</a> <a href="#">Clone</a> <a href="#">Delete</a>