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Events

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Creating events

This article demonstrates how to create new events in a dataset.

About this task

To demonstrate how to create new events, we used the Campaign dataset, based on data previously imported into 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.

2. Open on the Datasets tab.

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

Dataset side navigation appears.

4. Open at Dataset Detail view.

5. In the side navigation menu, click Events.

The screenshot displays the Arcadia Data web application interface. At the top, there is a dark navigation bar with the Arcadia Data logo, navigation links for HOME, VISUALS, and DATA, and user controls for settings, help, and the user 'admin'. A side navigation menu on the left lists various options: Dataset Detail, Related Dashboards, Fields, Data Model, Analytical Views (0), Events (0), Segments (0), Filter Associations (0), and Permissions. The 'Events' option is highlighted with a mouse cursor. The main content area shows the 'Dataset: Campaign' page, which includes a 'NEW DASHBOARD' button and a 'Detail' section. The detail section provides the following information: Table: documentation.campaign, Connection Type: Arcadia, Data Connection: Arcadia Enterprise, Description, Associated Logical View, Join Elimination: Enabled, Result Cache: From Connection, and Incremental Results: Disabled. Below this, a horizontal line separates the metadata: ID: 321, Created on: May 23, 2018 09:18 PM, Created by: admin, Last updated: May 23, 2018 09:18 PM, and Last updated by: admin.

The Events interface appears.

- In the Events interface, click New Event.

The screenshot shows the Arcadia Data interface. The top navigation bar includes the Arcadia Data logo, 'HOME', 'VISUALS', and 'DATA' tabs, along with settings, help, and user profile options. The left sidebar contains a navigation menu with items: Dataset Detail, Related Dashboards, Fields, Data Model, Events (highlighted with a '0' badge), Segments (with a '0' badge), Filter Associations (with a '0' badge), and Permissions. The main content area displays 'Dataset: Campaign' with a 'NEW DASHBOARD' button. Below this, the 'Events' section features a '+ NEW EVENT' button and a table header with columns: Name, Display, Filters, and Actions.

The Add Event modal window appears.

7. In the Add Event modal window make the following entries:

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

Add Event ✕

Event Name

Event Display

Filters

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

Click to update in SQL expression editor

8. 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"

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

Autocomplete on

9. Click Apply to save the filter expression and return to the Add Event modal window.

In the Add Event window modal, notice that the Filters field contains the specified expression.

10. Click Save.

Add Event
✕

Event Name

Event Display

Filters

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

11. The new event definition appears in the Events interface.

Note the actions available for this event: Edit, Clone, and Delete.

ARCADIA DATA
HOME VISUALS DATA

 ⚙️ HELP 👤 admin

Dataset Detail

Related Dashboards

Fields

Data Model

Events 1

Segments 0

Filter Associations 0

Permissions

Dataset: Campaign ✎

Events

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

12. 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. See, Cloning Events

Table 1: Events of the Campaign Dataset

Event Name	Event Display	Filters
Start	name	name='\$session_started'
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 appear similar to the following:

The screenshot shows the Arcadia Data interface for a dataset named 'Campaign'. The 'Events' section is active, displaying a table with the following data:

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_ended' 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

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, we are cloning Start.

The screenshot shows the Arcadia Data interface. The top navigation bar includes 'HOME', 'VISUALS', and 'DATA'. The left sidebar shows a navigation menu with 'Events' selected and a notification badge '1'. The main content area displays 'Dataset: Campaign' with a '+ NEW EVENT' button. Below this is an 'Events' table with the following data:

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

5. A populated Add Event modal window appears.

The 'Add Event' modal window is shown with the following fields and values:

- Event Name:** Copy of Start
- Event Display:** name
- Filters:** name='\$session_started'

Below the filters, there is a text input field containing 'Click to update in SQL expression editor' and an 'ADD FILTER' button. At the bottom right, there are 'CANCEL' and 'SAVE' buttons.

6. 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



7. In the Filter Expression modal window, enter the following expression: name='\$session_ended'
8. [Optional] Click Validate Expression to test the expression.

9. 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...
- duration
- event_id_hi
- event_id_lo
- name
- parent_event...
- parent_event...
- timestamp
- user_id

CANCEL
APPLY

10. In the Add Event window modal, notice 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. Click SAVE.

The new event definition appears in the Events interface.

The screenshot shows the Arcadia Data interface. The top navigation bar includes 'ARCADIA DATA', 'HOME', 'VISUALS', and 'DATA'. The left sidebar contains a navigation menu with items: Dataset Detail, Related Dashboards, Fields, Data Model, Events (2), Segments (0), Filter Associations (0), and Permissions. The main content area is titled 'Dataset: Campaign' and features a '+ NEW EVENT' button. Below this is a table of events:

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

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. Dataset side navigation appears, open at Dataset Detail view.
3. In the side navigation menu, click Events.

- In the Events list, find the event to edit, and click Edit.

In this example, we are editing event All application events.

The screenshot shows the Arcadia Data interface. The top navigation bar includes 'ARCADIA DATA', 'HOME', 'VISUALS', and 'DATA'. The main content area is titled 'Dataset: Campaign' and contains an 'Events' section with a '+ NEW EVENT' button. Below this is a table with columns: Name, Display, Filters, and Actions. The table lists three events: 'Start', 'All application events', and 'End'. The 'All application events' row is highlighted, and the 'Edit' button in the Actions column is being clicked.

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.

- You can change all the entries in Edit Event modal window. In this case,

- 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.

The screenshot shows the 'Add Event' modal window. It has a title bar with 'Add Event' and a close button. The form contains three sections: 'Event Name' with a text input field containing 'All application events', 'Event Display' with a text input field containing 'name', and 'Filters' with a text input field containing 'name='\$session_started'AND name='\$session_ended''. Below the filters field is an 'ADD FILTER' button. At the bottom right of the modal are 'CANCEL' and 'SAVE' buttons.

The Filter Expression modal window appears.

- In the Filter Expression modal window, enter the following expression:

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

- 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 ▾

- abs
- acos
- add_months
- adddate
- AND
- appx_median
- ascii
- asin
- atan

All Fields ▾

- duration
- # event_id_hi
- # event_id_lo
- A name
- # parent_event...
- # parent_event...
- timestamp
- A user_id

- 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

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.

A **ARCADIA DATA**
HOME VISUALS DATA ⚙️ HELP 👤 admin

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'	✎ Edit 📄 Clone 🗑 Delete
End	name	name='\$session_ended'	✎ Edit 📄 Clone 🗑 Delete
All application events	name	name='\$session_started'AND name='\$session_ended'AND name='\$purchase'	✎ Edit 📄 Clone 🗑 Delete

Related Information
[Creating events](#)

Deleting events

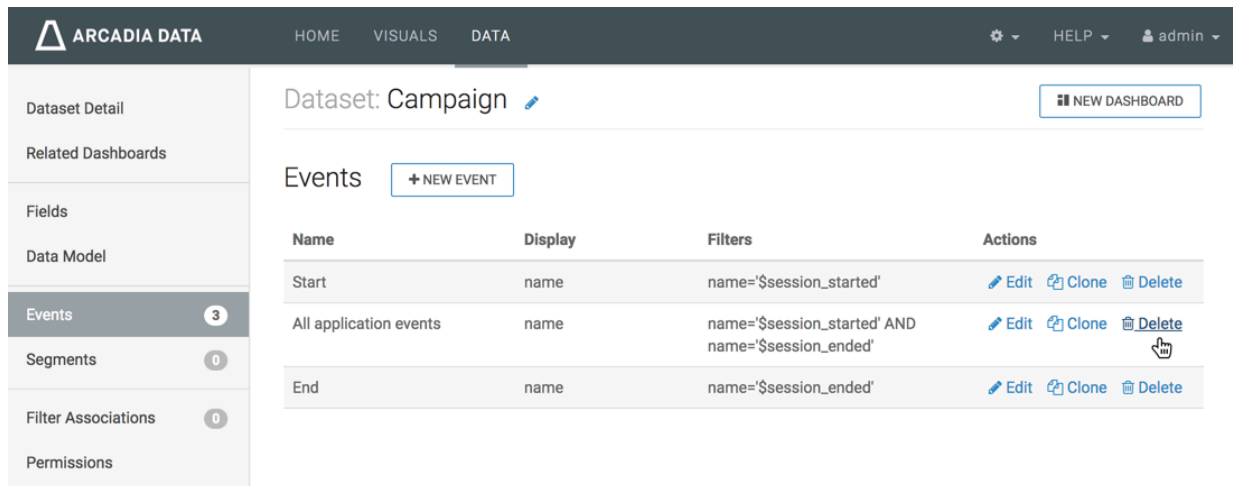
About this task

This article demonstrates how to delete an event defined on a dataset. Let's delete the event All application events.

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.

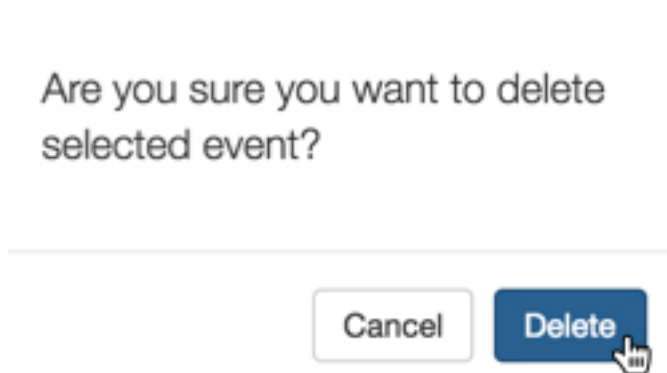
In this example, we are deleting the event All application events.



The screenshot shows the Arcadia Data interface. The top navigation bar includes 'HOME', 'VISUALS', and 'DATA'. The left sidebar shows 'Events' with a count of 3. The main content area displays 'Dataset: Campaign' and an 'Events' table. The table has columns for Name, Display, Filters, and Actions. The 'All application events' row is highlighted, and the 'Delete' button in the Actions column is being clicked.

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.



The screenshot shows a confirmation modal window with the text 'Are you sure you want to delete selected event?'. At the bottom, there are two buttons: 'Cancel' and 'Delete'. The 'Delete' button is highlighted with a mouse cursor.

6. The event End no longer appears in the Events interface.

The screenshot shows the Arcadia Data interface for a dataset named 'Campaign'. The left sidebar contains navigation options: Dataset Detail, Related Dashboards, Fields, Data Model, Events (with a '2' badge), Segments (with a '0' badge), Filter Associations (with a '0' badge), and Permissions. The main content area displays 'Dataset: Campaign' with a 'NEW DASHBOARD' button. Below this is the 'Events' section with a '+ NEW EVENT' button. A table lists the events:

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