Cloudera Data Visualization 7.2.8

Custom Dates

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CLOUDERA

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Contents

Managing custom dates

Cloudera Data Visualization enables you to define custom sets of date ranges, and anchor them to a specific date and time. For real-time filters, you can anchor the filters to today, or to now.

About this task

You can use the custom sets of date ranges on dashboards to filter time-based data, and help you analyze streaming input.

Note: This feature is only available to users with administrative privileges.

To use the Manage Custom Dateranges interface, follow these steps:

Procedure

1. Click the Gear icon on the main navigation bar to open the Administration menu and select Custom Dates.
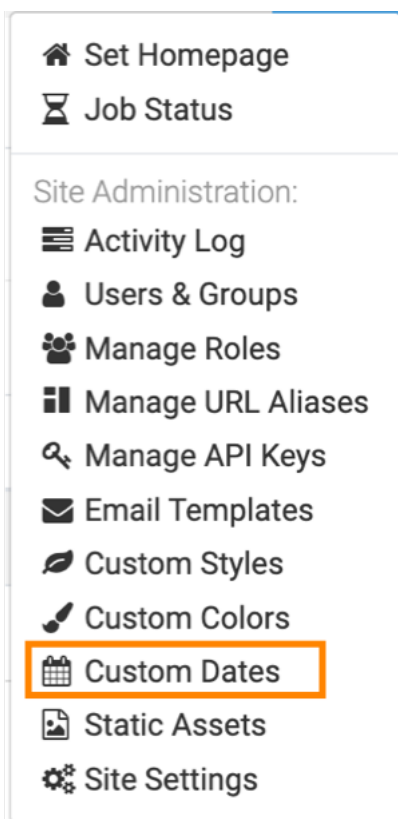
2. You have the following options in the Manage Custom Dateranges interface:

- Click NEW CUSTOM DATERANGE to create a new asset. For more information, see *Creating new custom date ranges*.
- Click the Pencil icon to edit the parameters of a set of dateranges, or to start the cloning process. For more information, see *Cloning custom date ranges*.
- Click the Trashcan icon to delete the asset. For more information, see *Deleting custom date ranges*.

Related Information

Creating new custom date ranges

Cloning custom date ranges

Deleting custom date ranges

Creating new custom date ranges

About this task

To create a new set of custom date range, you must define each custom range in turn.

Here, we demonstrate how to build a set of custom date ranges called My Date Range Set. We define the first one date range, 3 min, in detail. Then, we define the rest of them in similar manner.

Follow these steps:

Procedure

1. Click the Gear icon on the main navigation bar to open the Administration menu and select Custom Dates.

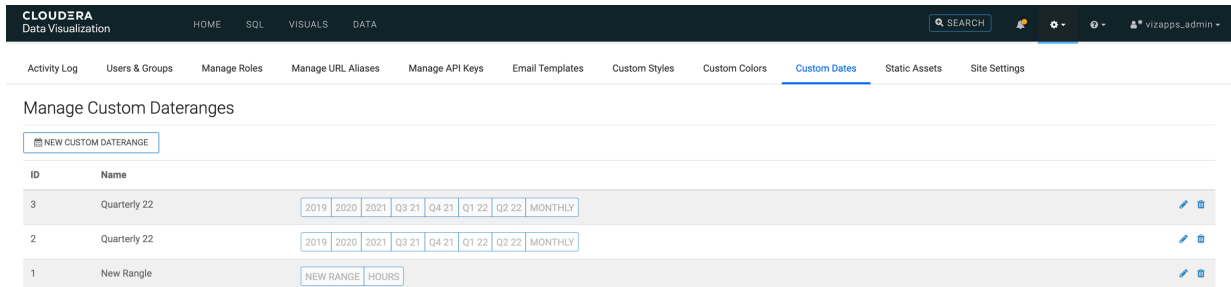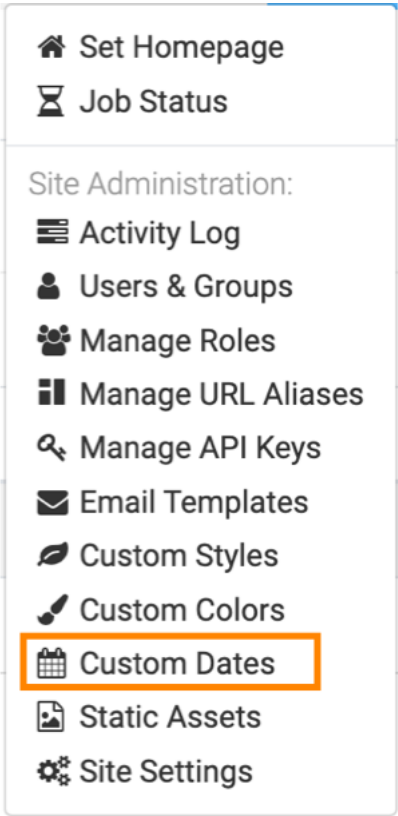2. In the Manage Custom Dateranges interface, click NEW CUSTOM DATERANGE.

3. In the Custom Date interface, enter the Name of the custom date.

   In this example, My Date Range is used.

4. In the list of ranges, define the first range:

a) Enter the Name of the new range.

b) Under Start Date Anchor, select one of the options:

- Anchor to Today (default)
- Anchor to Now
- Anchor to Date, which is the current date by default. To specify an alternate date, click in the edit field and select from the calendar interface.
- Anchor to Time, which is the current timestamp by default. To specify an alternate timestamp, click in the edit field and select from the calendar and time interface.

Click APPLY.

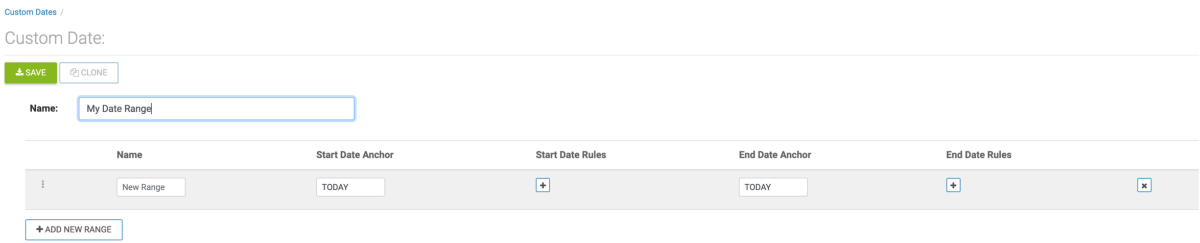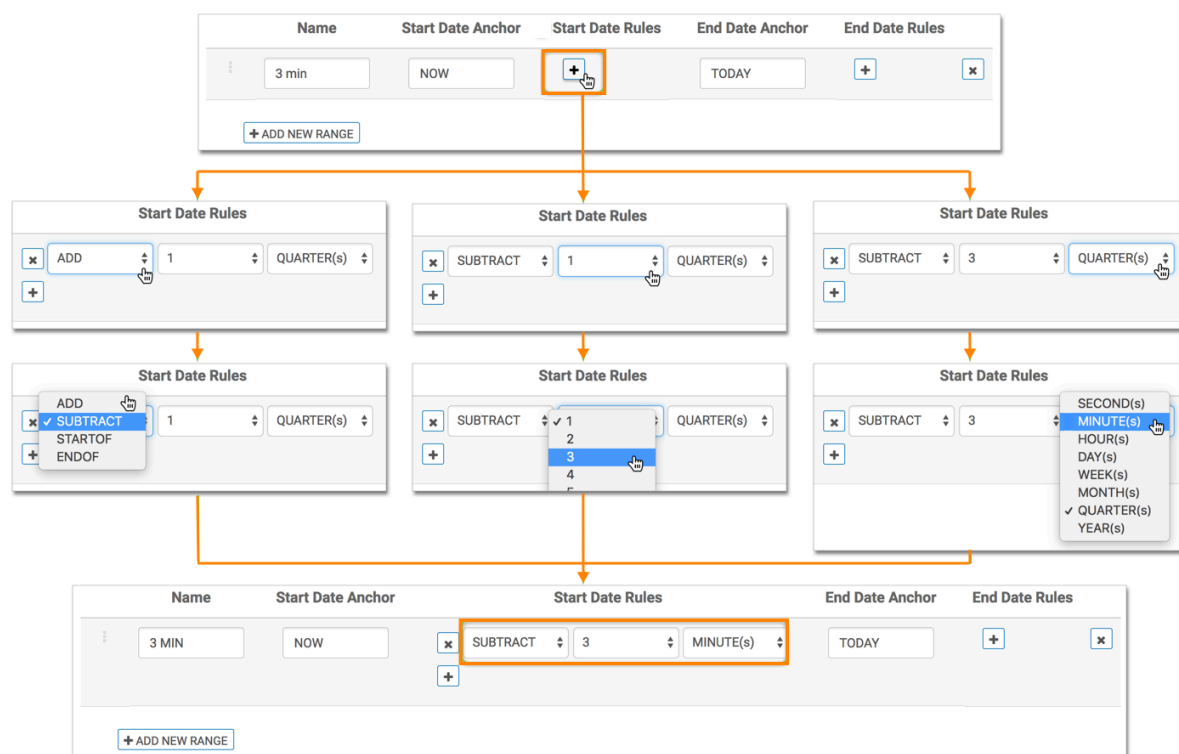c) Under Start Date Rules, click the Plus icon and proceed to specify the first stat date rule:

- Click the text box with operations (Add) and select the operation for the date rule:

  Add (default), Subtract, Startof, or Endof.
- Click the text box with numbers, and select the appropriate time offset.
- Click the text box with units, and select one of the time units from the menu:

  Seconds, Minutes, Hours, Days, Weeks, Months, Years, or Quarters (default). We selected Minutes.

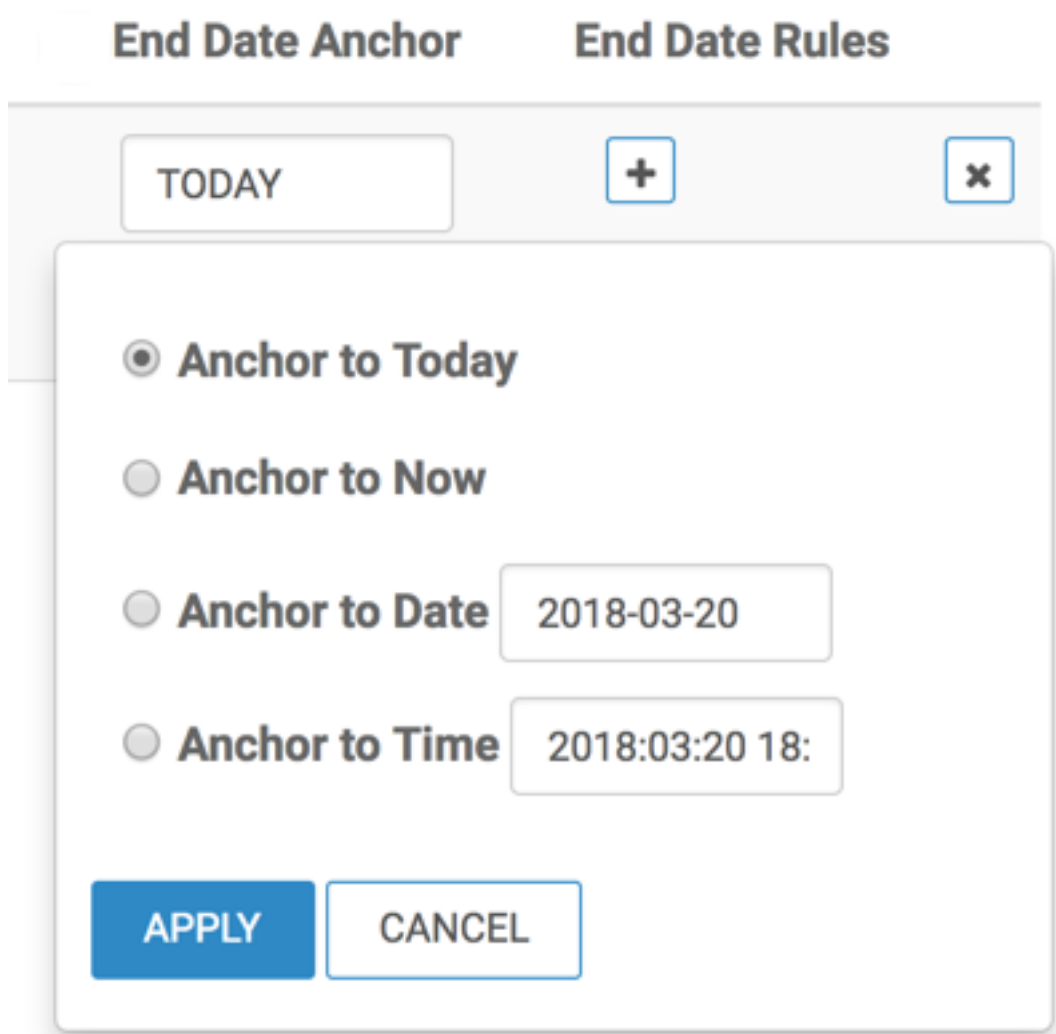This completes the specification of the first start date rule.

To delete or remove a rule, click the Delete icon beside the rule.

Start Date Rules

Delete

| ✖ | SUBTRACT ⬍ | 3 ⬍ | MINUTE(s) ⬍ |

➕

Delete

d) Under End Date Anchor, select one of the options:

- Anchor to Today (default)
- Anchor to Now
- Anchor to Date, which is the current date by default. To specify an alternate date, click in the edit field and select from the calendar interface.
- Anchor to Time, which is the current timestamp by default. To specify an alternate timestamp, click in the edit field and select from the calendar and time interface.

This works just like the Start Date Anchor.

End Date Anchor   **End Date Rules**

TODAY   ➕   ✖

⦿ **Anchor to Today**

◯ **Anchor to Now**

◯ **Anchor to Date**   2018-03-20

◯ **Anchor to Time**   2018:03:20 18:

APPLY   CANCEL

Click APPLY.

e) Under End Date Rules, click the Plus icon.

Proceed to specify the first rule:

- Click the text box with operations (Add), and select the operation for the date rule:

  Add (default), Subtract, Startof, or Endof
- Click the text box with numbers, and select the appropriate time offset.
- Click the text box with units, and select one of the time units from the menu:

  Seconds, Minutes, Hours, Days, Weeks, Months, Years, or Quarters (default).

This completes the specification of the first end date rule.

To delete or remove a rule, click the Delete icon beside the rule.

To delete or remove a rule, click the Delete icon beside the rule.

f) To remove the entire date range, click Remove icon at the end of the row that specifies the date range.

5. Click SAVE at the top of the interface to save the first date range.

6. Following the earlier steps, create additional dateranges and click SAVE.

In this example, the following dateranges have been created:

3 min5 min, 10 min, 15 min, 30 min, 1 hr, 3 hr, 6 hr, 9 hr, 12 hr, 1 day, 3 day, 5 day, 1 wk, 2 wk, 1 month, 2 month, 1 quarter, 2 quarter, 1 year, 2 year, 3 year

Custom Dates / ID: 1

Custom Date: **My Date Range Set**

[⬇ SAVE] [⧉ CLONE]

Name: [My Date Range Set]

	Name	Start Date Anchor		Start Date Rules			End Date Anchor	End Date Rules	
⋮	3 MIN	NOW	✕	SUBTRACT ⇕	3 ⇕	MINUTE(s) ⇕	TODAY	✚	✕
			✚						
⋮	5 MIN	NOW	✕	SUBTRACT ⇕	5 ⇕	MINUTE(s) ⇕	TODAY	✚	✕
			✚						
⋮	10 MIN	NOW	✕	SUBTRACT ⇕	10 ⇕	MINUTE(s) ⇕	TODAY	✚	✕
			✚						
⋮	15 MIN	NOW	✕	SUBTRACT ⇕	15 ⇕	MINUTE(s) ⇕	TODAY	✚	✕
			✚						
⋮	30 MIN	NOW	✕	SUBTRACT ⇕	30 ⇕	MINUTE(s) ⇕	TODAY	✚	✕
			✚						
⋮	1 HR	NOW	✕	SUBTRACT ⇕	1 ⇕	HOUR(s) ⇕	TODAY	✚	✕
			✚						
⋮	3 HR	NOW	✕	SUBTRACT ⇕	3 ⇕	HOUR(s) ⇕	TODAY	✚	✕
			✚						
⋮	6 HR	NOW	✕	SUBTRACT ⇕	6 ⇕	HOUR(s) ⇕	TODAY	✚	✕
			✚						
⋮	9 HR	NOW	✕	SUBTRACT ⇕	9 ⇕	HOUR(s) ⇕	TODAY	✚	✕
			✚						
⋮	12 HR	NOW	✕	SUBTRACT ⇕	12 ⇕	HOUR(s) ⇕	TODAY	✚	✕
			✚						
⋮	1 DAY	NOW	✕	SUBTRACT ⇕	1 ⇕	DAY(s) ⇕	TODAY	✚	✕
			✚						
⋮	3 DAY	NOW	✕	SUBTRACT ⇕	3 ⇕	DAY(s) ⇕	TODAY	✚	✕
			✚						
⋮	5 DAY	NOW	✕	SUBTRACT ⇕	5 ⇕	DAY(s) ⇕	TODAY	✚	✕
			✚						
⋮	1 WK	NOW	✕	SUBTRACT ⇕	1 ⇕	WEEK(s) ⇕	TODAY	✚	✕
			✚						
⋮	2 WK	NOW	✕	SUBTRACT ⇕	2 ⇕	WEEK(s) ⇕	TODAY	✚	✕
			✚						
⋮	1 MONTH	NOW	✕	SUBTRACT ⇕	1 ⇕	MONTH(s) ⇕	TODAY	✚	✕
			✚						
⋮	2 MONTH	NOW	✕	SUBTRACT ⇕	2 ⇕	MONTH(s) ⇕	TODAY	✚	✕
			✚						
⋮	1 QUARTER	NOW	✕	SUBTRACT ⇕	1 ⇕	QUARTER(s) ⇕	TODAY	✚	✕

Results

In the Manage Custom Dateranges interface, you can see that the list contains the new set, My Date Range, with all defined ranges.

Cloning custom date ranges

About this task

To create a new set of custom date ranges based on an existing one, you can make a clone of a set, and edit it. In this example it is demonstrated how to create My Date Range Set - Fine Control, a subset of My Date Range Set that features dateranges from 3 minutes to 1 hour.

Follow these steps:

Procedure

1. In the Manage Custom Dateranges interface, click Pencil icon next to the set of date ranges to clone.

2. In the Custom Date interface, click the Clone button.
3. Change the Name field.

    In this example, Clone of My Date Range Set is renamed to My Date Range Set - Fine Control.

4. In the list of ranges, delete the elements longer than 1 hour.

5. Click Save at the top of the interface.

6. Click Custom Dates at the top of the interface.

In the Manage Custom Dateranges interface, you can see that the list contains the new set, My Date Range Set - Fine Control, with a shorter list of ranges than the original set.

7. Create another set based on My Date Range Set, this time with dateranges of 1 Day or greater. Name it My Date Range Set - Gross Control.
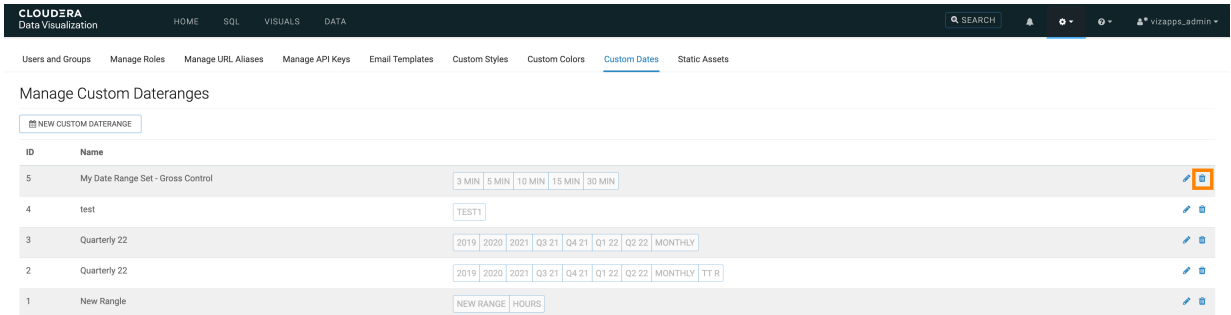
Deleting custom date ranges

About this task

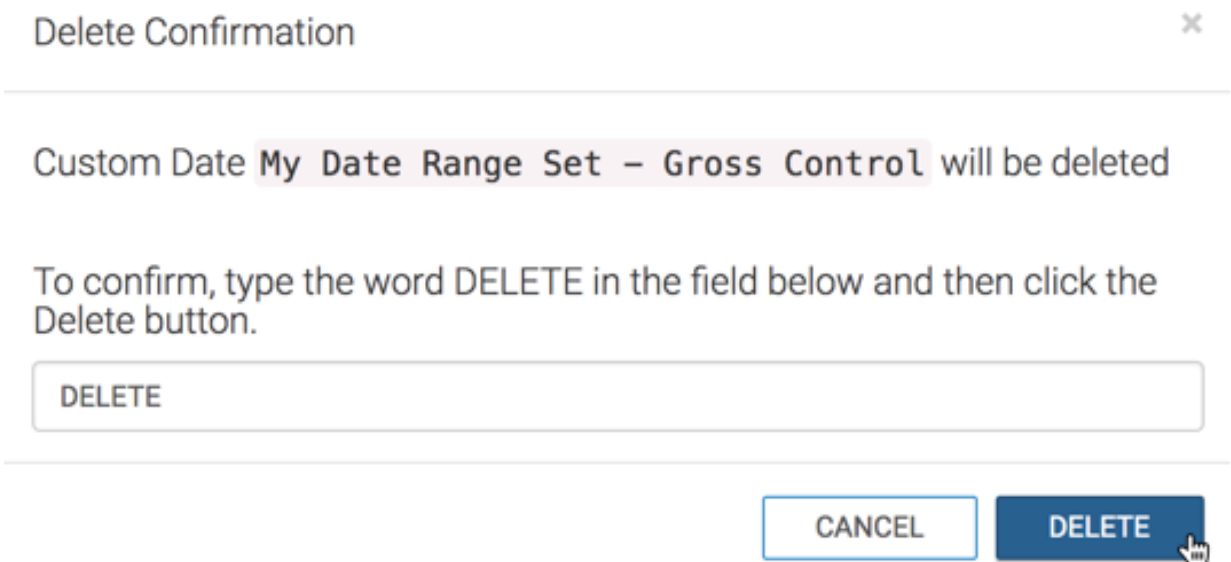To delete set of custom date ranges, follow these steps:

Procedure

1. In the Manage Custom Dateranges interface, click the Trashcan icon next to the set of date ranges to delete.

In this example, My Date Range Set - Gross Control will be deleted.

2. In the Delete Confirmation modal window, type DELETE, and then click the DELETE button.

Results

In the Manage Custom Dateranges interface, notice that the list no longer has the deleted set.