Configuring Filters
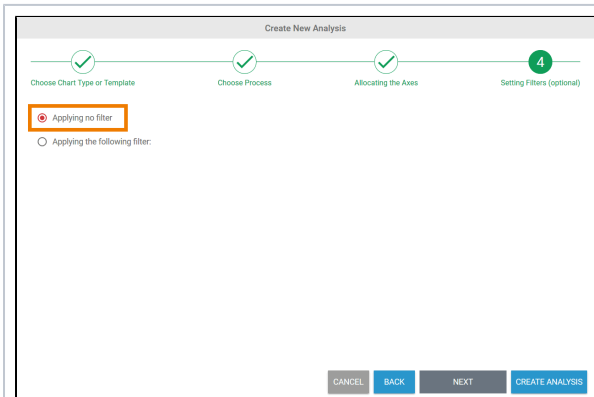
The Create New Analysis Wizard supports you during the creation of an analysis.

- In **step 1** the user must select a chart type.
- In **step 2** the process to be analyzed is selected
- In **step 3** the axis allocation for the analysis is configured.
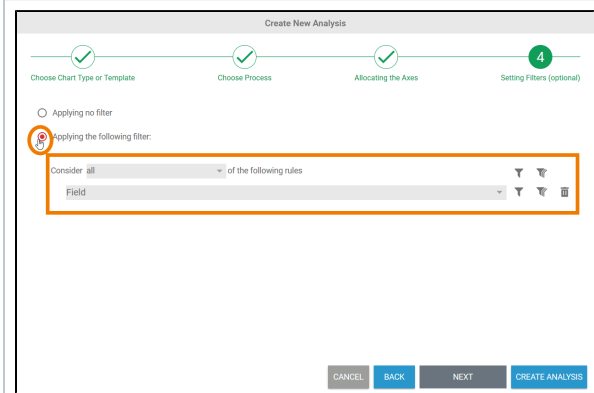- In **step 4** the user can finally create filters for their analysis.

Only the first three steps are mandatory, the creation of a filter is optional.

Creating a Filter

In step 4 of the wizard, the option **Applying no filter** is selected by default. This means that all instances of the process selected are evaluated in the analysis.

In step 4, it is still possible to create an analysis directly wi thout a filter: Use the **Create Analysis** button to do so.
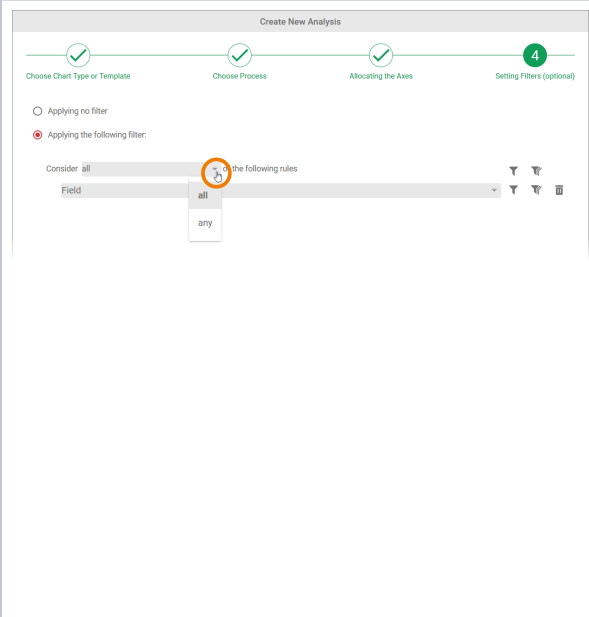

If you change the option on the **create following filter** func tion, the filter entry is displayed.

Use one of the following options to manage your filters:

- Use option ⏀ to create a new attribute filter.
- Use option ⏁ to link attribute filters.
- Use option 🗑 to delete a filter.

In the first field, the selection list is the basis for determining filtering:

- **All:** All rules must be met.
- **Any:** At least one rule must be met.

Creating an Attribute Filter

Once the basis for filtering has been defined, you can create individual attribute filters:

- Use option

  to create a new attribute filter.
- Use option

  to link attribute filters.

To select an instance attribute, expand the **Field** selection list.

Depending on the selected instance attribute, various operators become subsequently available. The available operators can be displayed via a selection list.
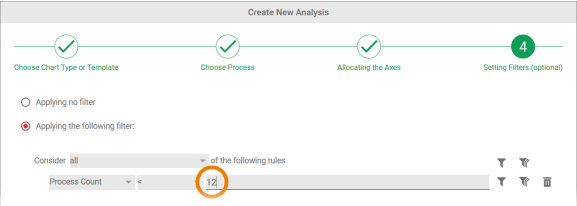
Available Operators

A distinction is made between four groups of instance attributes and the operators belonging to them:

Operators	Instance Attributes	Value Input

= ≠ like is not defined is defined	**Current step** **End event** **Host** **Process name** **Process ID** **Start event** **Step**	manual input* * Except when operators **is defined / not defined**
< ≤ = ≠ ≥ > is not defined is defined	**Process time** **Step duration** **Process count**	manual input* * **Except when operators is defined / not defined**

< ≤ ≥ > is not defined is defined relative filter	**End date** **Last update** **Start date**	Calendar (date picker) and manual input of the time * * Except when operators **is defined / not defined** and **relative filtering** If **relative filtering** is selected, the following options are available via an additional selection list: - last minute - last hour - last day - last week - last month - last year user-defined (manual input, refer to Relative Filtering)
contains does not contain	**Event** **Steps**	Manual input

Inserting Values

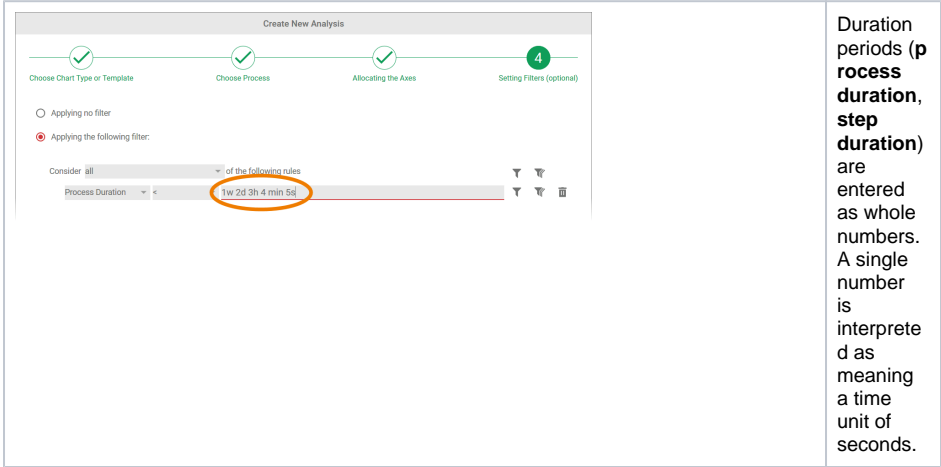|	
	You can enter the related **value** if an operator has been selected.

Using Wildcards

If you choose the **contains** operator, you can use wildcards for entries in the **value** field. The following placeholders are allowed:

- _ (underscore): Use an underscore as a placeholder for any character.
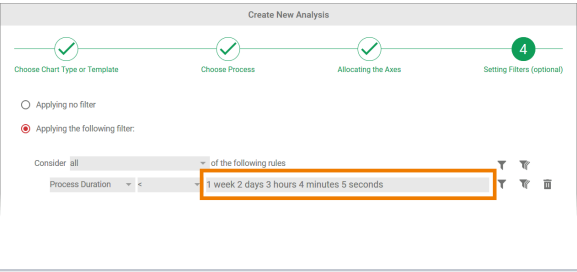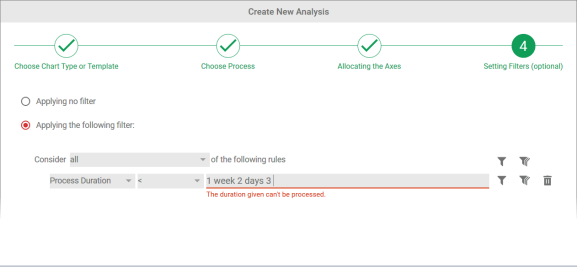- **%** (percentage sign): Use the percentage sign as a placeholder for any set of character strings.

Entering a Duration

Duration periods (**process duration**, **step duration**) are entered as whole numbers. A single number is interpreted as meaning a time unit of seconds.
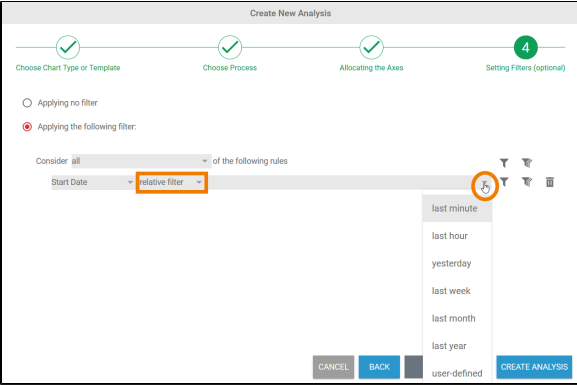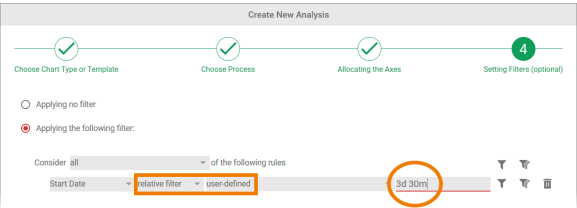
You can also use the corresponding abbreviations to enter weeks, days, hours and minutes:

Time Units	Permitted Input (upper and lower case scripts are allowed)
Week	w, week, weeks
Day	d, day, days
Hour	h, hr, hour, hours
Minute	m, min, minute, minutes
Second	s, sec, second, seconds

After completing the entry, the applied time units are written out automatically.

If a time unit entry is not clearly defined, a corresponding message will be shown.

Relative Filtering

The operator **relative filter** is available for the instance attributes **End Date**, **Last Update**, and **Start Date**.

Use the selection list to set predefined filters.

The following selections are available:

- **last minute**
- **last hour**
- **yesterday**
- **last week**
- **last month**
- **last year**
- **user-defined**

If you choose the option **user-defined**, you can enter the desired duration manually (see Entering a Duration).

Nesting Filters

You can create as many filters as you wish. Filters can also be nested to any depth.

Once you have finished entering the desired filter, you can create the analysis using the **Create Analysis** button.

Creating Filters Specific to Measures

If an analysis has been configured with several measures (see page Configuring Axis Allocation), you can also create measure-specific filters.

> ⓘ The creation of measure-specific filters is not available for pie charts and tachometer charts as these charts can only be configured for one index number at a time.

If you have saved several measures on an axis, the **All Measures** tab appears when you open the filter wizard.

If you configure filters in this tab, the filters are applied to all allocated measures.

In addition to the global **All Measures** filter, you can create measure-specific filters.

To change the existing global filter to a filter specific to a key measure, open the selection list **Apply filter to** and select the corresponding measure.

The selected measure is transferred to the tab. All filters that you create now only affect the selected measure.

If you wish to create additional measure-specific filters, use option ➕ to add more tabs.

Use option ➖ to remove already created tabs.

Once a measure-specific filter has been created, the global filter no longer applies to this measure. The name of the tab therefore changes from **All measures** to **Remaining measures**.
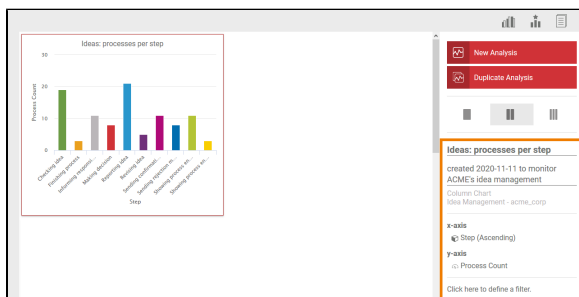
Example:

The filter Process Count < 12 in tab **Remaining measures** will not be executed.

Filters to be applied to the Process Count must be saved in the **Process Count** tab.

Changing Filters

When all required filters have been created and the analysis has been created, the chart is displayed in the Process Analyzer. The settings for the analysis are shown in the sidebar:

Use the sidebar to assign a name and a description to the analysis. You can also edit the filter settings via the sidebar. Click in the **Filters** section in the sidebar to open a pop-up window where you can adapt existing filters and also create new ones:

Applying no filter

Applying the following filter:

Consider all of the following rules

Field

SAVE CANCEL

as per step

1 to monitor
agement

acme_corp

)

Click here to define a filter.