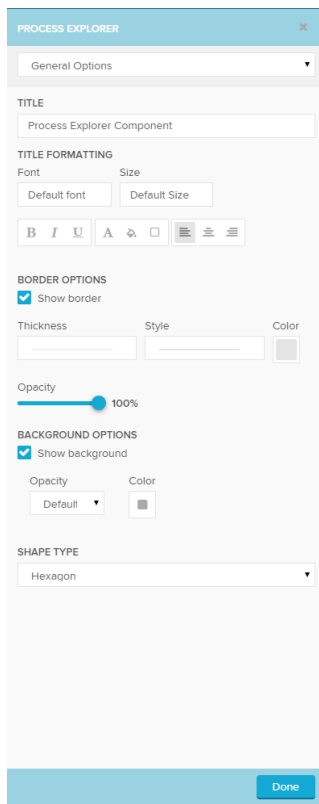


# Process Explorer

The process explorer component allows you to insert the process explorer into your analysis sheets. In the settings, you can specify general options, grouping and coloring of the activity nodes.



## General Options

- **Title:** In the first section a title can be added to the component by typing your desired title into the textfield. When a title is set, its formatting option will be shown directly as the next settings and font, size, color and alignment can be defined.
- **Border:** With a checkbox a border for the component can be applied. Afterwards the border thickness, style, color and opacity can be adjusted.
- **Background:** With a checkbox a background for the component can be applied. The color and opacity can be adjusted in the appearing settings.
- **Shape type:** You can choose between hexagon, circle and square representations of your activity nodes.



The screenshot shows the 'PROCESS EXPLORER' settings panel. It has a title bar with a close button. Below is a 'General Options' dropdown. The 'TITLE' section has a text input field containing 'Process Explorer Component'. The 'TITLE FORMATTING' section includes 'Font' and 'Size' dropdowns, both set to 'Default', and a set of text formatting icons (bold, italic, underline, text color, background color, bulleted list, numbered list). The 'BORDER OPTIONS' section has a checked 'Show border' checkbox, followed by 'Thickness', 'Style', and 'Color' inputs, and an 'Opacity' slider set to 100%. The 'BACKGROUND OPTIONS' section has a checked 'Show background' checkbox, followed by 'Opacity' and 'Color' inputs. The 'SHAPE TYPE' section has a dropdown menu set to 'Hexagon'. A 'Done' button is at the bottom right.

## Activity Grouping

Here the activities can be grouped. Click  to create a new group or on one of the groups in the list to edit them. In the group's options you can specify which activity will be included or delete an existing group with .

NEW GROUP

Title

New Group 2

Search Activity

☒ Kreditprüfung nicht bestanden
 ☒ Absage
 ☒ Anlegen Rechnungsbeleg

☐ Anlegen Lieferbeleg
 ☐ Anlage Kundenauftragsposition
 ☐ Kreditprüfung bestanden
 ☐ Absage aufgehoben
 ☐ Liefersperr aufgehoben
 ☐ Rechnungs-Ausgleich
 ☐ Warenausgang
 ☐ Ändere Einteilungs-Wunschmenge
 ☐ Ändere Einteilungs-Wunschtermin
 ☐ Ändere Preis

Activity Colors

Here every activity or group can be given an own color. To do so click on the color-picker next to the activities:



PROCESS EXPLORER

Activity Colors

ACTIVITY COLORS

Search

Absage
 Absage aufgehoben
 Anlage Kundenauftragsposition
 Anlegen Lieferbeleg
 Anlegen Rechnungsbeleg
 Kreditprüfung bestanden
 Kreditprüfung nicht bestanden
 Liefersperr aufgehoben
 Rechnungs-Ausgleich
 Warenausgang
 Ändere Einteilungs-Wunschmenge
 Ändere Einteilungs-Wunschtermin
 Ändere Preis
 New Group 1
 New Group 2
 New Group 3

Done

Custom KPI Views

Custom KPI Views allow the analyst to create additional KPIs that can be displayed in the Process Explorer. Choose the KPI views in the same place where you switch between the



frequency Process Explorer and the Throughput Time Explorer:

To add a custom KPI, enter the analysis SETTINGS on the top right of the analysis view:

Analysis Settings

General settingsVariablesLoad ScriptProcess Explorer KPIs

KPI VIEWS

Search

Create KPI View

KPI View 1

KPI View 2

KPI View 3

KPI View 4

KPI View 5

KPI View 6

CUSTOM KPI CONFIGURATION

Remove

Custom KPIs can be chosen in the Process Explorer to display your own KPIs in the process. Custom KPI Views can consist of multiple Activity and Connection KPIs will be shown at the nodes of the Process Explorer and Connection KPIs at its edges.

TITLE

KPI View 1

Activity KPIs

Connection KPIs

ACTIVITY KPIs

Add

Formula 1

FORMATING ACCORDING TO

Formula 1

NODE COLOR

Thresholds

Add threshold

NODE SIZE

Reverse Size

Done

In a KPI view the analyst can define Activity KPIs and Edge KPIs. Add a new KPI view with:

Create KPI View

. Both activity and connection KPIs can be

added with the add button. When you add a new KPI or edit it by clicking on the Custom KPI Editor will open:

Custom kpi editor

EDIT FORMULA

MAX(YEAR("P2P\_EVENT\_LOG"."eventtime"))

FORMULA OPTIONS

Formula title

Formula 1

Value Format

Predefined Formats

Custom Formula

Formatting Formula

Units

KPI BUILDER

The KPI Builder allows you to create your own KPIs. Custom KPIs can be shown either at the node or the connections of the Process Explorer.

First select a table and then select a column. After that click the Add button to add the column to your formula.

Table

Add

Info

You can use the same PQL queries here as you can use the formula editor of the analysis components.

Examples:

1. Last Timestamp

MAX(ROUND\_MONTH("EVENTLOG"."EVENTTIME"))

2. Automatisation

AVG(CASE WHEN "EVENTLOG"."USERTYPE" = 'Batch' THEN 1.0 ELSE 0.0 END)

3. Value flow

ROUND(SUM("EVENTLOG"."ACT\_kiert in Euro"),0)

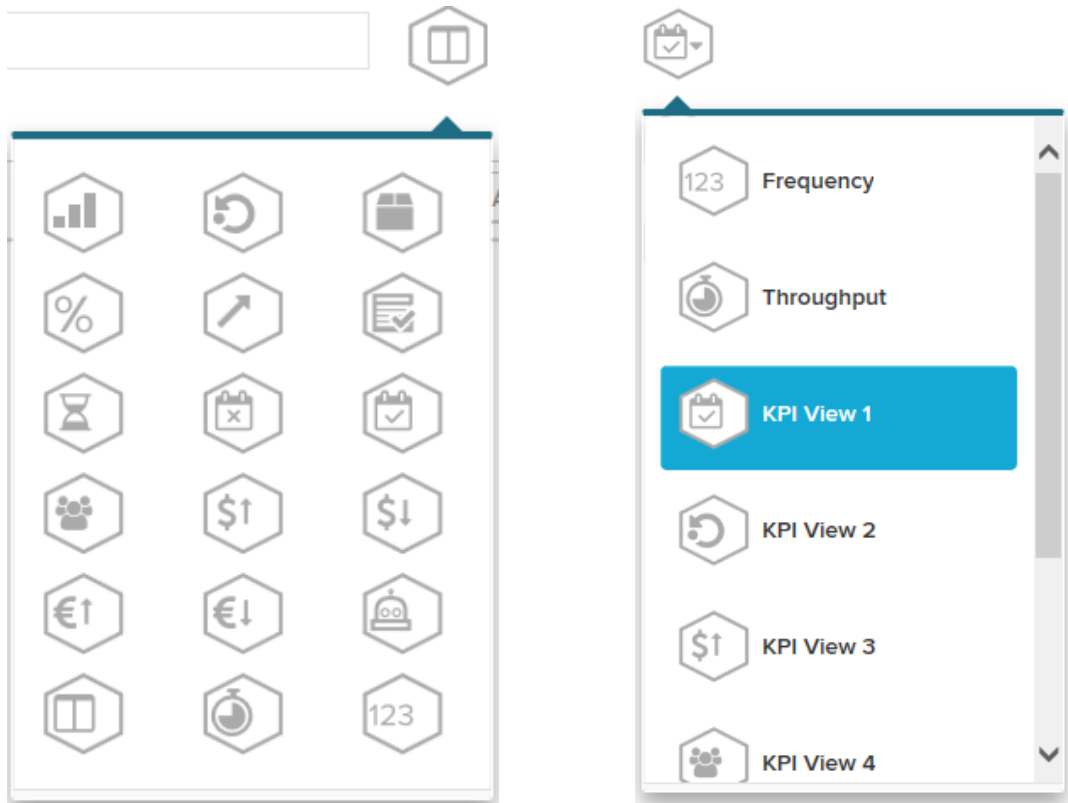
Done

On the bottom left the formula title and format option can be found. On the right the KPI Builder helps the analyst to quickly add columns from your dataset.

It is possible to add multiple KPIs to the KPI view. These

KPIs will be separated by "|" when they are displayed in the process graph:

You can choose between different icons that will be displayed in the Process Explorer afterwards:



The process nodes and connections can be formatted according to the custom KPIs. The analyst can define thresholds for the colors based on a formula in the custom KPIs:

#### FORMATING ACCORDING TO

Formula 1



#### NODE COLOR

Thresholds



if

Greater than



2000



Add threshold

#### NODE SIZE



Reverse Size

Usefull activity KPIs could be:

Name	Example
Last Timestamp	MAX(ROUND_MONTH("EVENTLOG"."EVENTTIME"))
Automatisation	AVG(CASE WHEN "EVENTLOG"."USERTYPE"='Batch' THEN 1.0 ELSE 0.0 END)
Value flow	ROUND(SUM("EVENTLOG"."ACT_Wert"),0)

Usefull connection KPIs could be:

Name	Example
Duration	AVG(1.0*DATEDIFF(dd, SOURCE("EVENTLOG"."EVENTTIME"), TARGET("EVENTLOG"."EVENTTIME")))
Automatisation	AVG(CASE WHEN TARGET("EVENTLOG"."USERTYPE")='Batch' THEN 1.0 ELSE 0.0 END)
Value flow	ROUND(SUM(TARGET("EVENTLOG"."ACT_Wert")),0)



#### Connection KPIs

Columns have to be addressed as TARGET() or SOURCE() in connection KPIs. With these expressions, you define whether the value of the connection's target or source node will be used for the calculation.