



QPR ProcessAnalyzer 2026.7

New features

MCP tool supports root causes analysis, and added tool for QPR ProcessDesigner generic query



- *QPR ProcessAnalyzer Generic Query* tool has been improved to perform root causes analysis
 - Root causes or correlations can be asked explicitly, or an agent may decide to use it to solve the problem
- Added MCP tool **QPR ProcessDesigner Generic Query** capable of answering variety of question using MEA Web Service queries
- **MeaConnectionString** system setting defines a common MEA connection, and it's used by the MCP tool
 - If not defined, QPR ProcessDesigner generic query tool is not available
- Added **GetGraphImage** function to get QPR ProcessDesigner diagrams as images
 - Custom MCP tool can be created to get images
 - E.g., Claude can show and interpret images

wiki.onqpr.com/pa/index.php/Built-in_MCP_Tools

wiki.onqpr.com/pa/index.php/QPR_MEA_Integration#GetGraphImage

Table text can be wrapped into multiple lines

- **Allow Header Row Wrapping** setting wraps table header into multiple lines if the text doesn't fit into a single line
- **Allow Content Rows Wrapping** setting wraps table content into multiple lines if the text doesn't fit to a single line
- Wrapping is by default disabled as table readability is affected due to varying row heights
- Wrapping is used in *Variation* preset due to long variation paths
- Line break characters appearing in the data are rendered as line breaks when rows wrapping is enabled
 - For list type of values, the *List separator* can be defined as "`\n`"
- Databars have always same height and text is not wrapped
- When icons are shown (in conditional formatting), text is not wrapped

Visualization
Table

☒ Show Title

Title
Top Variations

☒ Allow Header Row Wrapping

☒ Allow Content Rows Wrapping

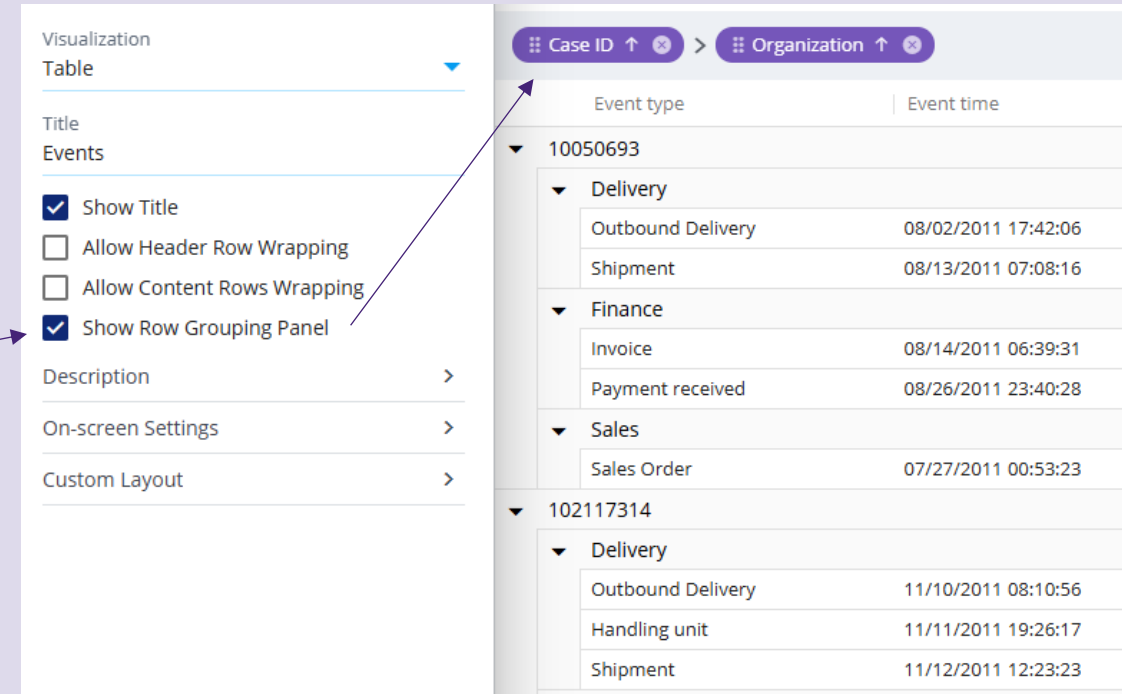
☐ Show Row Grouping Panel

Variation path	Regions	Cases	Average duration
Sales Order → Invoice → Payment received	- Los Angeles	1 cases	21.6 days
Sales Order → Outbound Delivery → Customer pick-up	- Houston	5 cases	62.6 days
Shipment → Invoice → Payment received	- Los Angeles - New York		
Sales Order → Outbound Delivery → Customer pick-up	- Dallas	1 cases	21.3 days
Handling unit → Invoice → Payment received	- Chicago	4 cases	28.2 days
Outbound Delivery → Handling unit → Shipment	- Houston		
Invoice → Payment received	- Los Angeles		
Sales Order → Purchase Order to Supplier → Invoice	- Chicago	6 cases	47.8 days
Payment received	- Dallas		
	- Los Angeles - New York		

Grouping panel for tables allows ad-hoc grouping



- **Group order** can be defined in measure, dimension, columns settings, enabling grouping for the column
 - When empty, no grouping is done for the table column
 - Group order defines the hierarchy order for nested grouping
- Groups can be collapsed and expanded
- Optional **Row Grouping Panel** allows to easily change grouping
 - Columns can be grouped by dragging them into grouping panel
 - Columns can be reordered in the grouping panel
 - There is a button to ungroup columns
 - Grouped column sorting can be changed (but not saved to dashboard)
- *Events* preset is grouped by case ID



Visualization
Table

Title
Events

- ☒ Show Title
- ☐ Allow Header Row Wrapping
- ☐ Allow Content Rows Wrapping
- ☒ Show Row Grouping Panel

Description >

On-screen Settings >

Custom Layout >

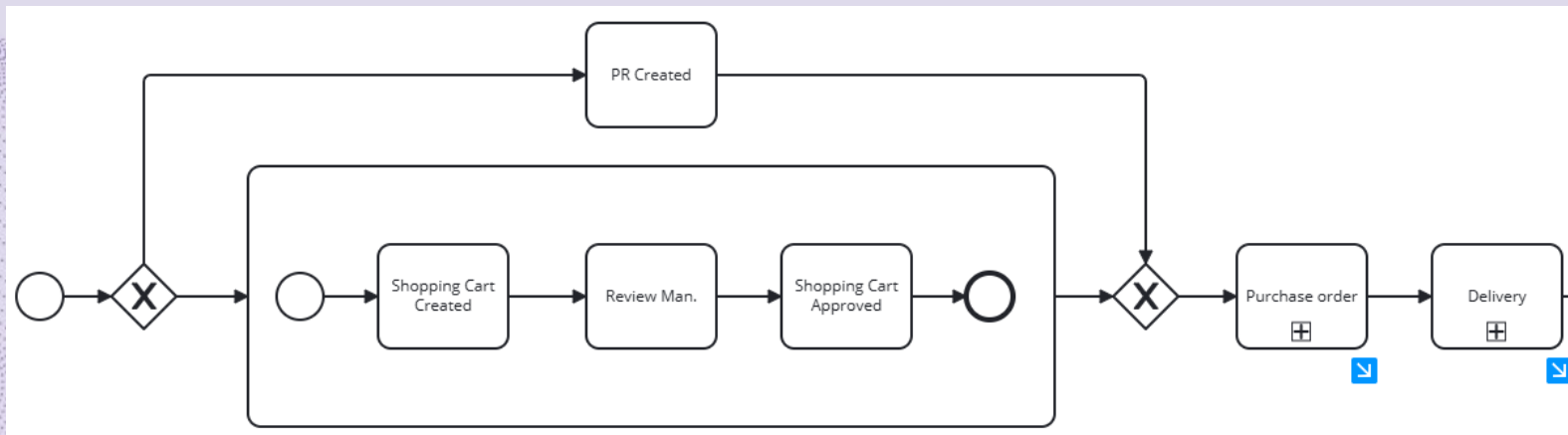
Case ID ↑ × > Organization ↑ ×

Event type	Event time
10050693	
▼ Delivery	
Outbound Delivery	08/02/2011 17:42:06
Shipment	08/13/2011 07:08:16
▼ Finance	
Invoice	08/14/2011 06:39:31
Payment received	08/26/2011 23:40:28
▼ Sales	
Sales Order	07/27/2011 00:53:23
102117314	
▼ Delivery	
Outbound Delivery	11/10/2011 08:10:56
Handling unit	11/11/2011 19:26:17
Shipment	11/12/2011 12:23:23

Conformance checking supports BPMN sub-processes

- Conformance checking can follow *regular sub-processes* and *ad-hoc sub-processes*
 - Both collapsed or expanded forms are supported
 - There can be several nested sub-processes
- When checking reaches a sub-process, checking goes into the sub-process
- In regular sub-process, checking begins at the sub-process start event and proceeds normally according to the flow
- When the sub-process is complete, check returns to parent level by following the outbound sequence flow
- Ad-hoc sub-process has no start or end events, but only tasks where each is optional, may occur multiple times, or occur in any order
 - It's possible to add flows between tasks to define the execution order

wiki.onqpr.com/pa/index.php/Conformance_Checking#Sub-processes



Thousands separators for numeric values can be hidden



- Thousands separator for numeric values can be hidden
 - Show thousands separator** checkbox in the measure/dimension/column settings
- Thousands separator character (comma or space) is based on the user-interface language
- Thousands separator is hidden by default:
 - Object ID's in System reports
 - Numeric case ID's

Case ID	Case start
23203913000010	01/24/2020 00:00
22908490000010	11/05/2019 00:00
23505360000010	04/09/2020 00:00
23407715000020	04/02/2020 00:00
22601867000010	07/10/2019 00:00
23502562000010	04/14/2020 00:00
23401667000010	03/17/2020 00:00
23501056000010	04/10/2020 00:00
23501551000010	04/13/2020 00:00

Column settings: Case ID

GENERAL

TABLE ACTIONS

SPECIAL VALUES

ADVANCED

Custom label

Unit position

After with space between

☐ Hidden

Group order

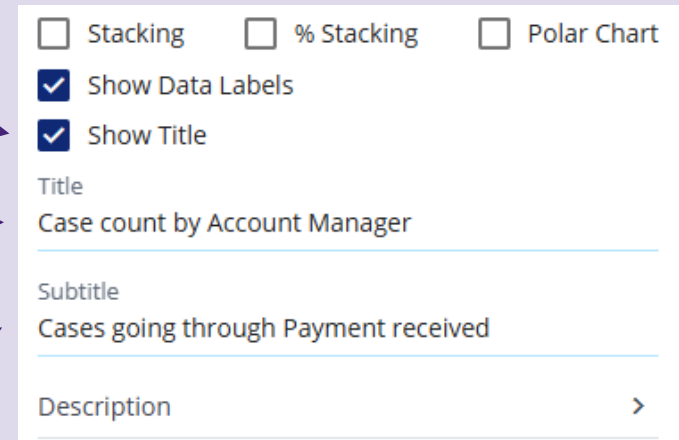
☐ Show thousands separator

CANCEL

APPLY

Chart title can be hidden

- Chart settings have **Show Title** checkbox for showing and hiding chart title
- If the *Title* field is empty:
 - Automatically generated title is shown for column, bar, line chart etc. and KPI Cards
 - Title is hidden for other visualizations (e.g., table, pivot table)
- If defining a space in *Title* field, title is hidden (this is pre-existing functionality)
- Subtitle is available for graphs
 - When *Subtitle* field is empty, an automatically generated subtitle describes the chart filter
 - If defining a space in *Subtitle* field, subtitle is hidden



Stacking ☐ % Stacking ☐ Polar Chart ☐

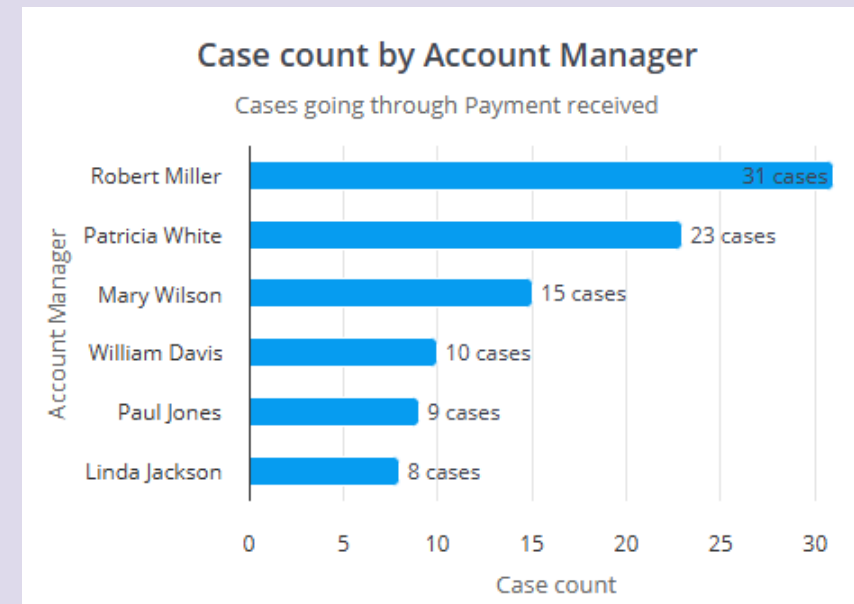
☒ Show Data Labels

☒ Show Title

Title
Case count by Account Manager

Subtitle
Cases going through Payment received

Description >



Expression language can change system configurations



- Expression language API available to read and write system configurations (settings stored in PA_CONFIGURATION table)
- **GetSystemSettings** function to read all settings as JSON hierarchy
 - Some settings must be kept secret which are not returned
 - E.g., SnowflakeConnectionString, OpenAIAPIKey, McpServerConfiguration.McpApiKey
- **SetSystemSettings** function to change one or more settings
 - Some settings are effective immediately, some require server restart
 - Cannot set secrets because expressions are stored to logs
- Secrets can be set using REST API: POST /api/systemsettings
- Settings can be defined as read-only using **ApiRestrictedSettings** system configuration
 - Even system administrator cannot change read-only settings (only database administrator can)
 - *ApiRestrictedSettings* itself is read-only

Get all system settings:

```
ToJson(GetSystemSettings())
```

Set a system setting:

```
SetSystemSettings({  
  "DefaultColorPalette":  
    "[\"#1F77B4\", \"#FF7F0E\", \"#2CA02C\"]"  
})
```

wiki.onqpr.com/pa/index.php/Generic_Functions_in_QPR_ProcessAnalyzer#:~:text=SetSystemSettings

wiki.onqpr.com/pa/index.php/Generic_Functions_in_QPR_ProcessAnalyzer#:~:text=GetSystemSettings

Custom HTTP headers are defined in appsettings.json



- Custom HTTP headers are set in **appsettings.json** (web.config is not used anymore)
 - For example, *Content-Security-Policy* header may need customization
 - Note that IIS may have web.config files in the upper levels of the hierarchy which are all effective
 - QPR ProcessAnalyzer removes all headers it sets, to avoid duplicate headers

wiki.onqpr.com/pa/index.php/QPR_ProcessAnalyzer_Security_Hardening#Customize_HTTP_Response_Headers



QPR

Dare to improve.

Founded

1991

Corporate headquarters

Helsinki, Finland

Stock symbol

QPR1V: Nasdaq, Helsinki

Licenses sold

Over 1 million worldwide

Customers

Over 2000

Industry recognitions

Gartner, Palladium, Ventana
Research, Forrester Research

Products

QPR ProcessAnalyzer
QPR EnterpriseArchitect
QPR ProcessDesigner
QPR Metrics
QPR BusinessPortal