



QPR ProcessAnalyzer 2026.5

New features

MCP server support completed with resources and prompts



- Added support for MCP prompts and MCP resources which can be implemented using scripts
 - Define in script properties whether script is an MCP tool, resource or prompt
- Resources are passive data sources that provide read-only access to information to add to agent context
 - Use cases: file contents, database schemas, API documentation
- Prompts are pre-built instruction templates that showcase how to best use the MCP server
 - Prompts can be context-aware, referencing available resources and tools to create comprehensive workflows
 - Prompts are user-controlled, requiring explicit invocation rather than automatic triggering
 - Use case: User wants to start a commonly used workflow
 - Prompts support textual arguments – like tool parameters
- Tools are supported by all agents, but resources and prompts are not widely used
 - E.g., Claude supports resources and prompts
- Additional MCP improvement: OAuth refresh tokens are stored to database to keep sessions after server restart

wiki.onqpr.com/pa/index.php/Create_MCP_Resources

wiki.onqpr.com/pa/index.php/Create_MCP_Prompts

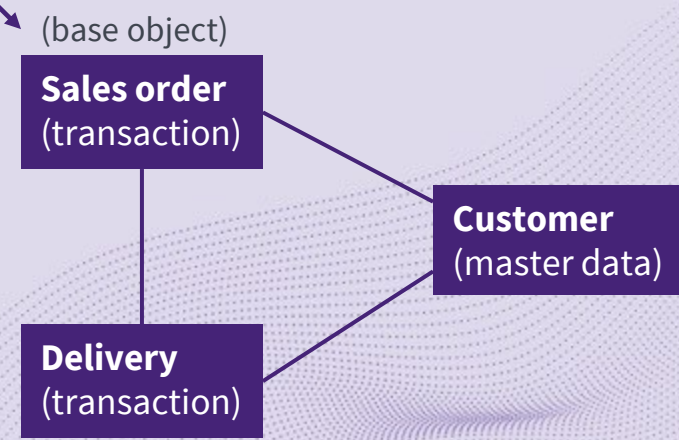
Object types can be categorized to master data and transactions for more relevant perspective creation

- In object-centric model settings, object types can be categorized into transactions and master data
 - When not defined, object types are assumed to be transactions
- When perspectives are created, object-to-object relation traversal is stopped to master data objects
 - As a result, each case contains transaction objects that are directly related to each other, but not transactions related through master data
 - For example, case contains an order and deliveries for that order, but not all orders and deliveries for the same customer
- Transactions can be orders, deliveries, invoices, service tickets, etc.
- Master data can be material, customers, suppliers, employees, organization structures, etc.

```

{
  "ObjectTypes": {
    "Sales Order": {
      "Datatable": "Sales Order",
      "Category": "Transaction"
    },
    "Delivery": {
      "Datatable": "Delivery",
      "Category": "Transaction"
    },
    "Customer": {
      "Datatable": "Customer",
      "Category": "Master"
    }
  }
}

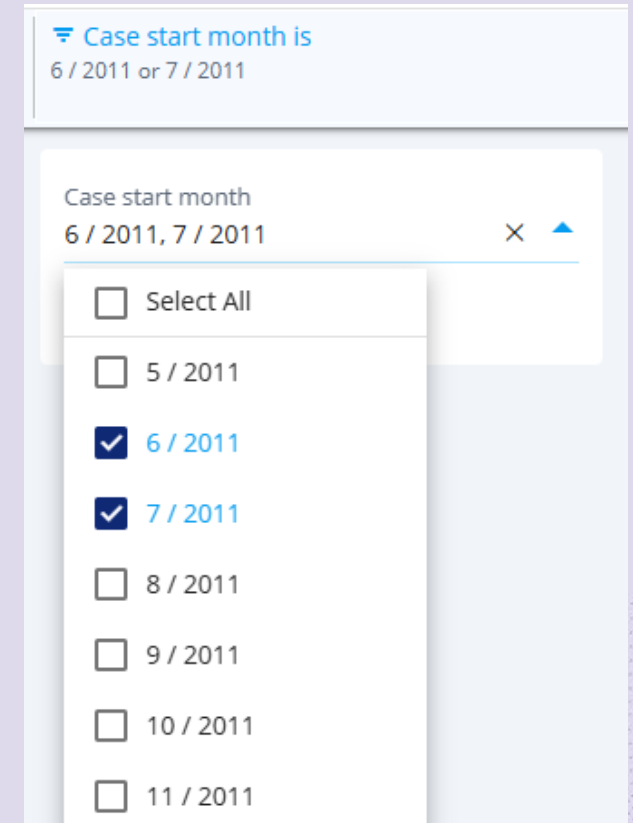
```



wiki.onqpr.com/pa/index.php/Object-centric_Process_Mining_Model#Configure_object-centric_model

Multi-select list available for generic filter selector and variable value selector

- Generic filter selector component is available as multi-select dropdown list (in addition to card layout)
 - Multi-select list takes less space than cards, and works better if there are lot of selectable items
 - Search dialog is available, when selecting case/event attribute values, event types, case IDs, or variations
 - Case attribute and event type filter components are replaced with the generic filter selector
- Dropdown list selector for changing dashboard variables is available as multi-select dropdown list
 - Dashboard variable value will be an array of selected items
 - As with the generic filter selector, the search dialog is available

A screenshot of a web application interface showing a multi-select dropdown menu. The menu is titled 'Case start month is' and currently displays '6 / 2011 or 7 / 2011'. Below the title, the selected items are listed as '6 / 2011, 7 / 2011'. The dropdown list is open, showing a 'Select All' option at the top, followed by a list of months from 5 / 2011 to 11 / 2011. The '6 / 2011' and '7 / 2011' options are checked with blue checkmarks. There is a close button (X) and a dropdown arrow (blue triangle) in the top right corner of the menu.

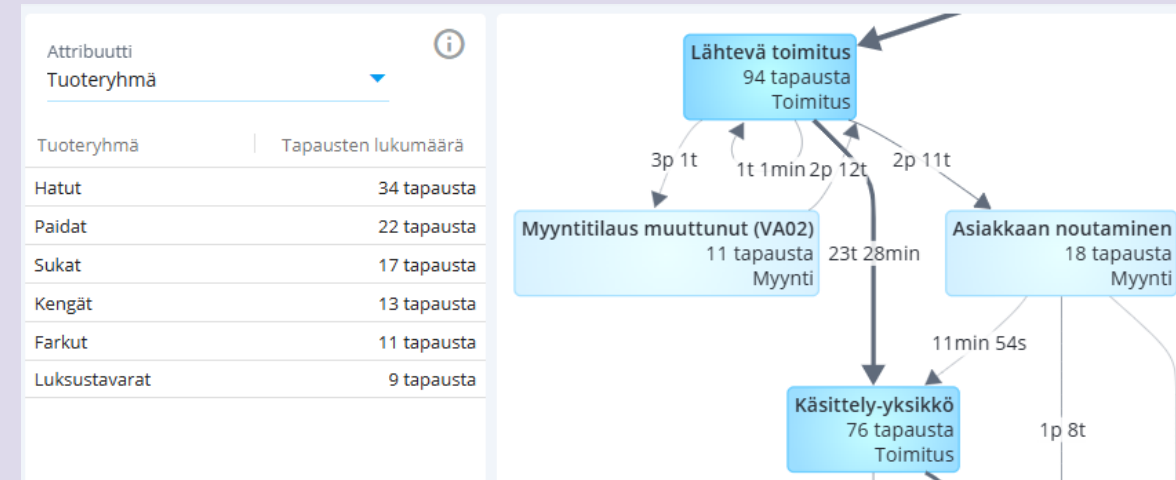
wiki.onqpr.com/pa/index.php/Filter_Selectors

wiki.onqpr.com/pa/index.php/Dropdown_List_Selector

Eventlog data and dashboards can be shown in multiple languages



- In addition to user-interface, all user-defined content in dashboards can be translated into desired languages
- Translations cover all eventlog data and texts in dashboards, e.g.,
 - Case/event attribute names and values
 - Event type names
 - Dashboard/model/filter names
 - Chart titles
 - Chart descriptions
 - Measure units
- User settings dialog has two independent language selections:
 - User interface language
 - Content language
- Any content languages can be defined – use language codes for supported UI languages and names for other languages
- Translations are system-wide and defined in system configuration
- Sorting for tables and lists is based on the translated texts
- Search dialog for filter rules works with the original eventlog data



The screenshot shows the user settings dialog with the following options:

- User interface language: English
- Content language: <not translated> (highlighted with a red box)
- Date format: MM/dd/yyyy
- First day of week: Sunday
- Language selection dropdown menu (open):
 - <not translated>
 - Suomi (Finnish)
 - Svenska (Swedish)
 - Español (Spanish)
 - Chinese
- CHANGE PASSWORD button

wiki.onqpr.com/pa/index.php/Languages_and_Localization#Content_Language

Numeric and date case/event attribute filters have decimals or period selection



- When creating case or event attribute filter rule, following can be defined:
 - For numeric attributes, number of decimals can be selected
 - For date attributes, the date period can be selected
- Selectable attribute values are shown based on the defined number/date granularity
- Number of decimals can be negative, for tens, hundreds, thousands, etc.
- Only available for Snowflake

Add filter rule

Cases by Case Attribute Cases by Event Attribute

First Event in Case Last Event in Case Case IDs

Include Cases Exclude Cases Turn Filter Rule On

Attribute
Timestamp

Values
1 / 2012, 2 / 2012, 3 / 2012

Period
Month

Year

Half-year

Quarter

Month

Week

Day

Add filter rule

Cases by Case Attribute Cases by Event Attribute

First Event in Case Last Event in Case

Include Cases Exclude Cases

Attribute
Cost

Values
0, 100, 200

Decimals
-2

i This rule includes only cases with...

New Snowflake functions for custom expressions for aggregations and string formatting



wiki.onqpr.com/pa/index.php/SQL_Expressions

- **Nullif:** Returns null when two values are equal, otherwise keeps the original value
 - Example: `Nullif("N/A", "N/A") // => null`
- **IfNull:** Replaces a null value with a fallback value, while leaving non-null values unchanged
 - Example: `IfNull(null, "Unknown") // => "Unknown"`
- **LPad:** Pads a string from the left to a target length using spaces or a custom padding string
 - Example: `LPad("42", 5, "0") // => "00042"`
- **RPad:** Pads a string from the right to a target length using spaces or a custom padding string
 - Example: `RPad("abc", 6, "*") // => "abc****"`
- **MaxBy:** Aggregation returning row value where another column has maximum value
 - Example: `AggregateFrom(Events, #{"Function": "MaxBy", "Ordering": ["Cost"]}, Column("Event type"))`
- **MinBy:** Aggregation returning row value where another column has minimum value
 - Example: `AggregateFrom(Events, #{"Function": "MinBy", "Ordering": ["Cost"]}, Column("Event type"))`
- **ArrayAgg:** Collects values within a Snowflake window into an array
 - Example: `ArrayAgg(Column("Value"), [Column("Value")], null, [Column("Group")])`
- **ListAgg:** Concatenates values within a Snowflake window into a string separated by a delimiter
 - Example: `ListAgg(Column("Name"), ", ", [Column("Name")], null, [Column("Group")])`

Improvements for dashboard creation usability, SQL Server 2025 support, and AI Assistant automatic LLM selection



- Charts added to dashboard are automatically positioned to empty space preventing overlapping
 - Dashboard is also scrolled to show the added chart
- QPR ProcessAnalyzer now supports SQL Server 2025 for the configuration database
- Snowflake Native App updated SQL Server 2025 Express
 - Configuration database maximum size is now 50 GB (earlier 10GB)
 - Database volume (disk) size is still 10GB, but it can be increased to benefit the increased database size
 - Native App has a Snowflake procedure **set_data_volume_size('50Gi')** to change the volume size

wiki.onqpr.com/pa/index.php/QPR_ProcessAnalyzer_Native_App_in_Snowflake#Change_data_volume_size

- Cortex based AI assistant performance has been improved by taking into use Snowflake's AGENT_RUN function
 - Interface supports selecting LLM automatically – use empty value in *DefaultCortexAgentsModelName* setting

wiki.onqpr.com/pa/index.php/PA_Configuration_database_table#:~:text=DefaultCortexAgentsModelName



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Founded

1991

Corporate headquarters

Helsinki, Finland

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Over 1 million worldwide

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