

QPR ProcessAnalyzer 2025.4 – New features

New AI Agent presets give recommendations by analyzing specific viewpoints

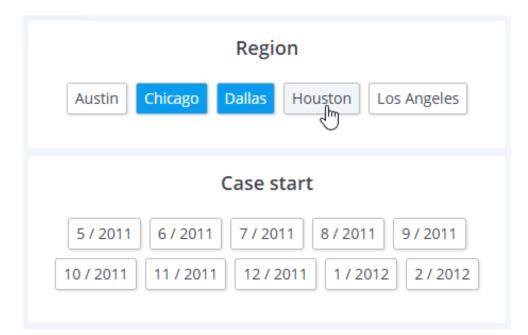
- Al Agent presets:
 - Al Agent: Process Lead Time
 - Al Agent: Process Variations
 - Al Agent: Event & Case Counts (new)
 - Al Agent: Event Automation (new)
 - Al Agent: Case Automation (new)
 - Al Agent: Bottlenecks (new)
 - Al Agent: Root Cause Analysis (new)
- Textual instructions and relevant datasets included to prompt
 - Charts for prompt datasets have descriptions helping LLM to interpret the data
- As an expectation: Current state analysis relies on objective facts; recommendations are mainly based on common knowledge
- AI Agent presets are good examples when creating custom agents
- List of predefined LLM's are limited to moderately priced ones, but all LLM's allowed by Snowflake are available when writing LLM name

l Agent	▲ 厚 Q Q Cases Events Event Types Case Attribute Event Attribute Case Duration Event Duration Case
resets General Layout Filter	Al-Powered Analysis for Root Causes 🌼 🕻 🕻 🤅
Advanced	Findings
 Advanced and AI Analyses 	1. Key Contributors to Root Cause:
Root Causes for Attributes	 "On Time Delivery: No" is the leading contributor, with 6.3% selected cases, surpassing the overall 3.8% baseline by 2.5%.
Root Causes for Attributes (table)	 "Paid On Time: Invoice Clearing or Due Date Missing" and "Customer Country: United Kingdom" also contribute significantly with 5.6% and 5.8% selected cases
Root Causes for Attributes (weighted)	respectively.
Root Causes for Attributes (detailed table	
Clustering Cases	 "Item Category: Restocking" shows a high 11.8% selection rate, suggesting restocking as a primary issue. Cases from "Drystone UK Ltd" consistently show higher selected case percentages.
Al Agent: Process Lead Time	· cuses non orystone on etal consistency show higher selected cuse percentages.
Al Agent: Process Variations	Recommendations
5	1. Improve On-Time Delivery:
Al Agent: Event & Case Counts	 Focus on logistics and supply chain strategies to enhance delivery reliability.
AI Agent: Event Automation	Analyze the bottlenecks causing delays and optimize routes. 2. Address Payment Issues:
Al Agent: Case Automation	 Investigate why invoices have missing clearing or due dates, and automate to
Al Agent: Bottlenecks	enhance payment accuracy and timeliness. 3. Targeted Process Enhancements:
Al Agent: Root Cause Analysis	 Prioritize process evaluations for UK operations, particularly for restocking. Adjust
Automation	inventory levels and review supplier contracts to prevent shortages. 4. Cross-functional Review:
> Operational Excellence	 Conduct a review across departments particularly focused on KPIs to minimize
> Compliance	non-contributing activities and improve customer satisfaction.

Filtering component to easily change filters and supporting any filter rules types

- New filtering component can create any type of filters for distinct values – also expression filters
 - Selected items in the filter component and dashboard header are kept in sync
- All filterable values in the model are always shown
 - Values that are not available due to other filter rules, are shown as grey and are not clickable
- Measure values can be shown with each filterable item, and they are filtered with other filter rules
- Multi-selection by default
 - Single-selection while Ctrl key pressed
 - Range selection while Shift key pressed
- Component filter can limit shown filtered items

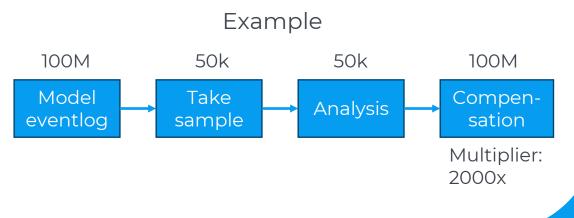
wiki.onqpr.com/pa/index.php/Filter_Selectors#Filter_selector



Declining effect of sampling can be compensated with automatic multiplier

- Problem to solve: Sampling of cases improves performance remarkably, but object counts and numerical data sums show too low values
 - This declining effect can be compensated with a multiplier that is determined automatically
- Compensation can be applied to any numerical measure (in *Statistical calculations*)
- In flowchart, sampling is available for event type and flow measures with Sampling affects measures setting
 - By default, sampling is done for variations only
- Benefit: There is only slight performance decrease when data volume increases
- Caveat: Sampled measure values are not exact
- Caveat: Not suitable for finding rare occurrences because they might not end up to the sample

Dense rank Dense rank NTile Compensate case sampling	Row number	
NTile	Rank	
	_	
Compensate case sampling		
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Snowflake Native app permissions and logging improvements

- Snowflake Native App has now application roles:
 - **User**: for using app
 - Administrator: for managing app objects (suspend/resume service, take/restore backups)
- For optimal permissions: Create account role for native app users and assign it to the User application role
- IMPORTED PRIVILEGES ON SNOWFLAKE DB is not asked on installation
 - Instead, CORTEX_USER database role can be given to the application to use AI Agent

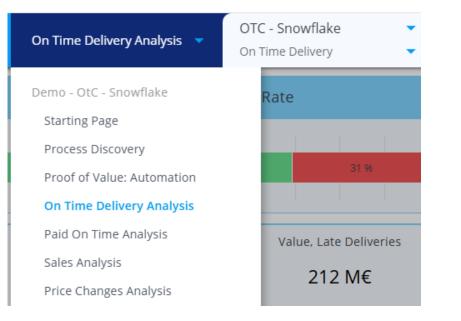
wiki.onqpr.com/pa/index.php/QPR_ProcessAnalyzer_Native_ App_in_Snowflake#Optional_privilege_for_Al_Agent

 Logging has been improved and now sharing application logs with the application provider (QPR) is possible

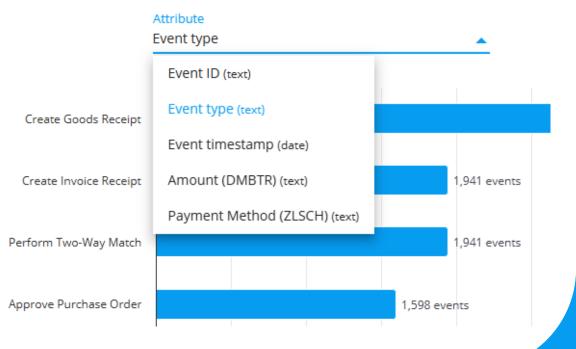
Add roles				
Acc	ount roles			
A	dd roles	~		
Ass	ign an app role for each account ro	ole ?		
i [DEVELOPERS	Owner		
1	QPR_PROCESSANALYZ	USER 🗸		
Lei	All Grant all the app roles to an account le ADMINISTRATOR Full access to manage and use the app			
	USER Access to use the application.	~		
	Remove Access	Done		

Other improvements

- Navigation menu now displays dashboards from open dashboard's project or selected project in Workspace
 - Earlier dashboards were shown from the selected model's project
 - Note: Dashboards list is empty after login because Workspace top level is selected by default



- In object-centric models, Object ID, Event ID, Event type, and Event timestamp appear as attribute names
 - For these columns, custom names cannot be used, as object-centric model assumes certain column names



Other improvements



- Filtering dimensions with dimension-specific filters, will now create expression filter rule where dimension-specific filter is embedded
 - Earlier, dimension-specific filter rule was created as a separate rule which didn't accurately
 represent the selection
- Added CsvToDataFrame function for converting textual CSV data into in-memory dataframe, example:
 - CsvToDataFrame(` Case ID;Region;Product Group 10050693;Chicago;Hats 102117314;Austin;Socks 102880778;New York;Shirts
 `)

wiki.onqpr.com/pa/index.php/DataFrame_in_Expression_Language#CsvToDataFrame