



Release Notes

DB Gene 4.0.3-fp3

November 6th, 2023

Copyright © 2012-2023 DecisionBrain S.A.S. All rights reserved.

All specifications and information regarding the products in this document are subject to change without notice and should not be construed as a commitment by DecisionBrain. DecisionBrain assumes no responsibility or liability for any mistakes or inaccuracies that may appear in this document. All statements and recommendations in this document are believed to be accurate but are presented without warranty. Users must take full responsibility for their application of any product.

Important Notes

*Please take into account the following important information when using the new version of **DB Gene 4.0.3-fp3**, released on November 6th, 2023.*

Updates

DB Gene 4.0.3-fp3 introduces the following infrastructure updates.

AG Grid Update

DB Gene 4.0.3-fp3 now uses AG Grid 30.2.0.

Platform Common Library Update

DB Gene 4.0.3-fp3 now uses platform-common-lib 1.0.3. It was formerly version 1.0.0.

Angular Update

DB Gene 4.0.3-fp3 now uses Angular 16.2.8. It was formerly version 15.2.0.

Deprecations

DB Gene 4.0.3-fp3 introduces several infrastructure deprecations as described in the DB Gene 4.0.3-fp3 Migration Guide, available from the [DecisionBrain website](#).

End-User Features

DB Gene 4.0.3-fp3 introduces several end-user features and improvements regarding views and dashboards management, data management, and data filtering. In addition to these changes, it also provides users with enhancements in the Scenario List, Chart, Gantt Chart, KPI, Issue- and Job-related widgets.

Improved Views and Dashboards Management

4.0.3-fp3 introduces several features related to the Scenario Picker and Toolbar visibility in views and dashboards, Home view customization, and widget management.

New Home View Options

4.0.3-fp3 introduces two major features for the Home view:

- Users can now set any dashboard as the Home view for it to be quickly accessible from the dedicated button in the Sidenav.
- The toolbar, which can now be displayed or hidden on all views and dashboards, now allows adding widgets to the Home view.

Setting a dashboard as the Home view can be performed either:

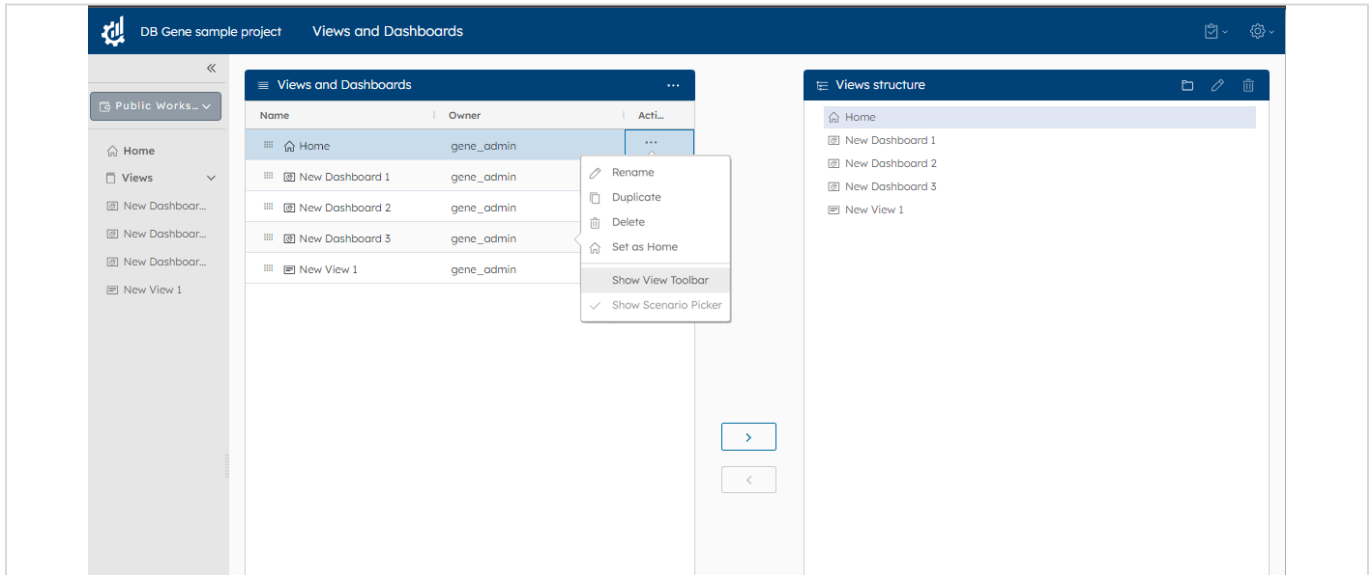
- From the Topbar menu *Settings > Views and Dashboard > Configure*, which opens the related *Views and Dashboard Management* view; the *Actions ●●●* menu now displays the option *Set as Home*.
- Or from the Topbar menu *Settings > Application Preferences*, which opens the related modal; the parameter *HOME_VIEW_ID* can then be set to the desired dashboard ID, located at the end of the page URL, between `.../custom-dashboard/` and any question mark `?`, as in:

```
https://xxx.xxxxxxx.xxx/custom-dashboard/5b2bc372-3ee7-4dc3-95fe-7e7b19ebb4e7?link=ec3a055f-38d3-4520-abc9-0563941998c4
```


Note: Users can set a dashboard as the Home view, but not a view. This behavior was designed on purpose to foresee the deprecation of views, in favor of dashboards, in a future release.

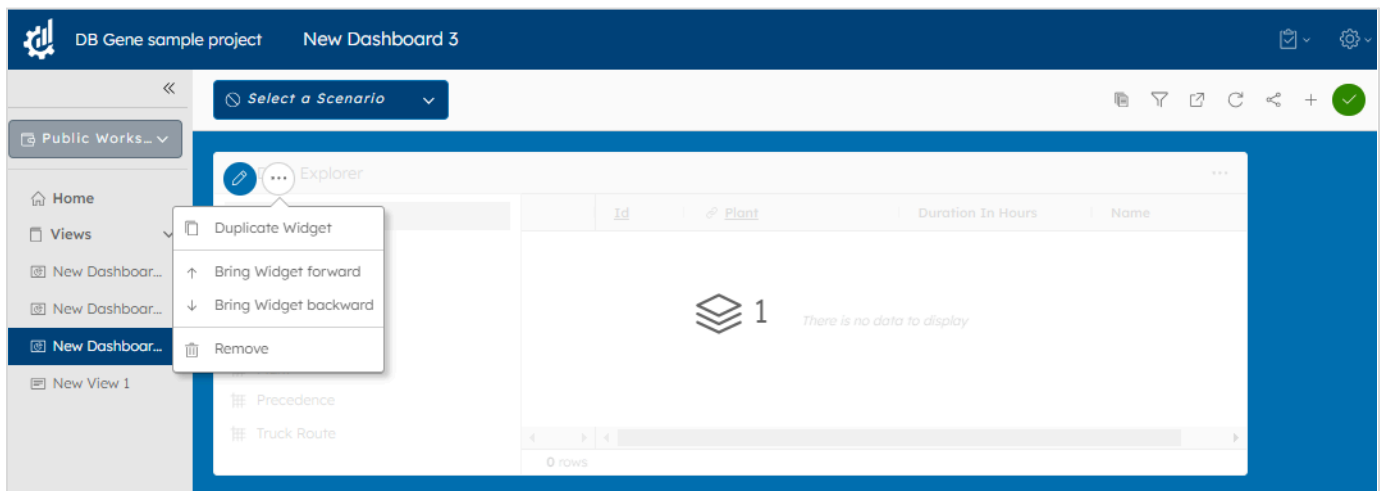
New Scenario Picker and Toolbar Visibility Options

Users can now set the visibility of the Scenario Picker and the Toolbar for any custom view or dashboard. From the Topbar menu *Settings > Views and Dashboard > Configure*, which opens the related *Views and Dashboard Management* view, the *Actions* **...** menu now displays the options *Show View Toolbar* and *Show Scenario Picker*.



Improved Widget Edition


On a dashboard in Edition mode, accessible via the icon  located in the toolbar, the buttons used to organize or remove a widget are now aggregated into a menu. This menu also contains an option *Duplicate Widget*, which allows creating a copy of the widget and editing it in the process. In addition, users are now prompted with a confirmation message before deleting widgets for more safety.

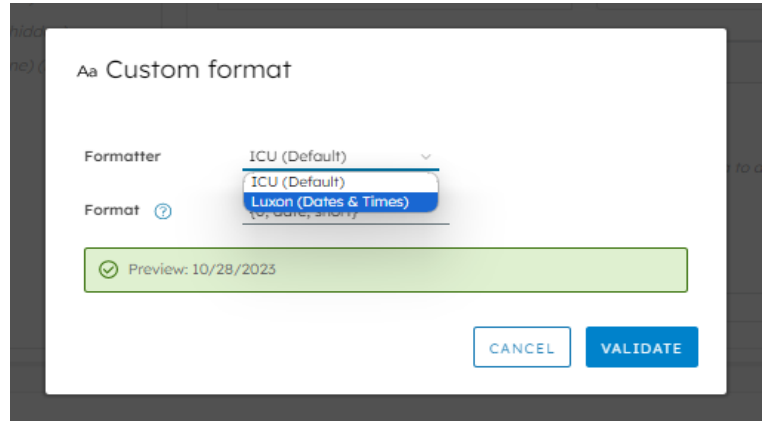


Improved Data Management

Improvements in data management include a new value formatter, a safer and customizable “Actions” menu for the Scenario List, always-on comparison mode as well as harmonized import and export.

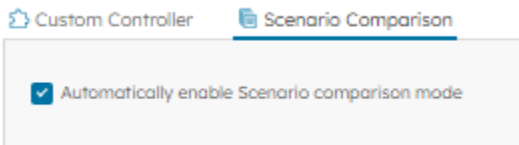
New Luxon Date and Time Formatter

When selecting “Custom” in a value format dropdown menu, as in the KPI or Chart widget configurator, users can now set a format based on either the ICU formatter or the Luxon formatter for dates and times. Contextual information on each format is available by clicking on the button .



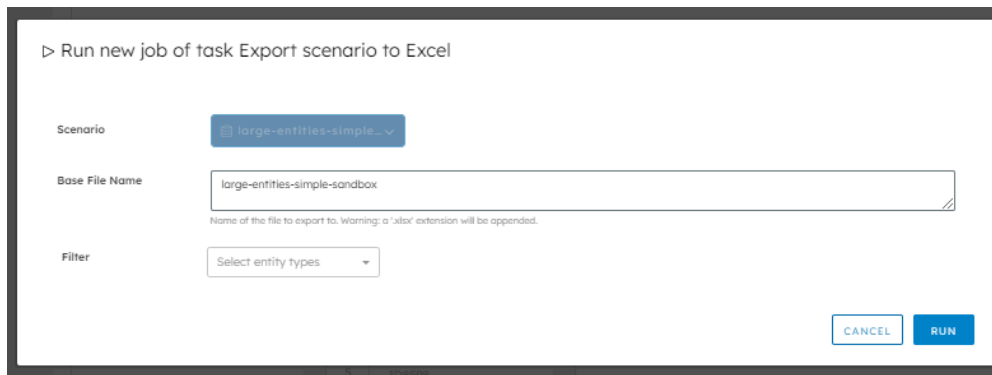
New Widget Always-On Scenario Comparison Mode

The “Automatically enable Scenario comparison mode” option is now on by default for all the widgets that support it, such as the Data Grid, Data Explorer, Chart, or KPI widget.



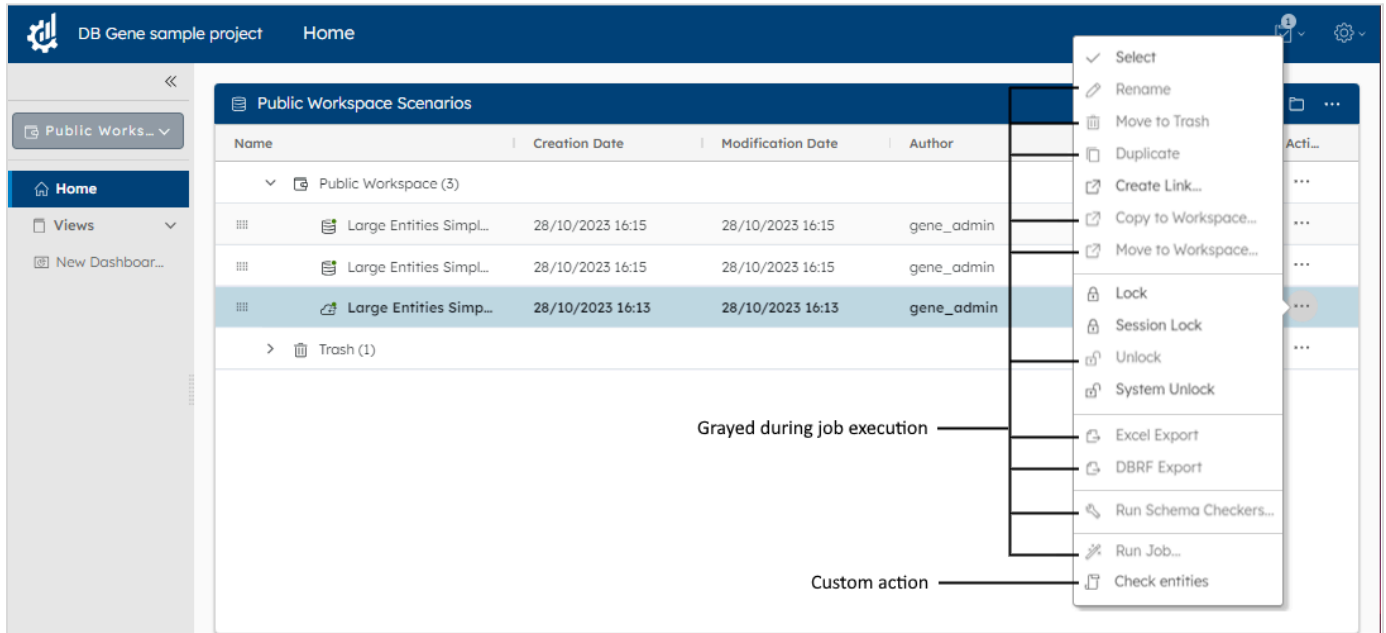
Improved Scenario Import and Export Naming

The name of an imported scenario in the Scenario List, whether in Excel or DBRF format, is now more accurately based on the file name. In the same way, the name of an exported file is now based, by default, on the scenario name as it is displayed in the Scenario List.



Improved Scenario List Widget

The Scenario List widget now allows adding custom tasks to the contextual menu “Actions”, available for each scenario. They can be added via the tab “Custom actions” in the widget configurator or via the custom controller `customizeContextMenuItems`. In addition, the widget now disables, in the “Actions” menu, the items that cannot be run while a task is performed to the selected scenario.

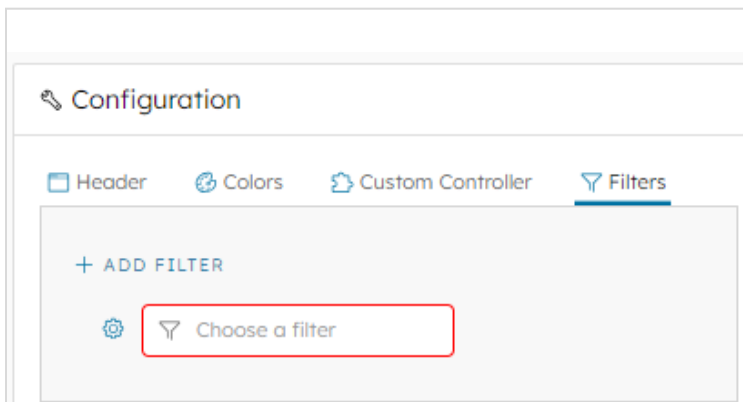


Improved Data Filtering

Several improvements are now available for the different types of filters across the application.

Improved Search Field

In the Filter widget, as was already the case in the Data Grid and Data Explorer widgets column filters, the search field is now case-insensitive by default.



New "Filters" Widget Configurator Tab

In most of the widgets that load scenario data, the configurator now displays the tab "Filters" where multiple permanent filters can be set. These filters only apply to the configured widget and do not affect the content displayed by other widgets on the same dashboard.

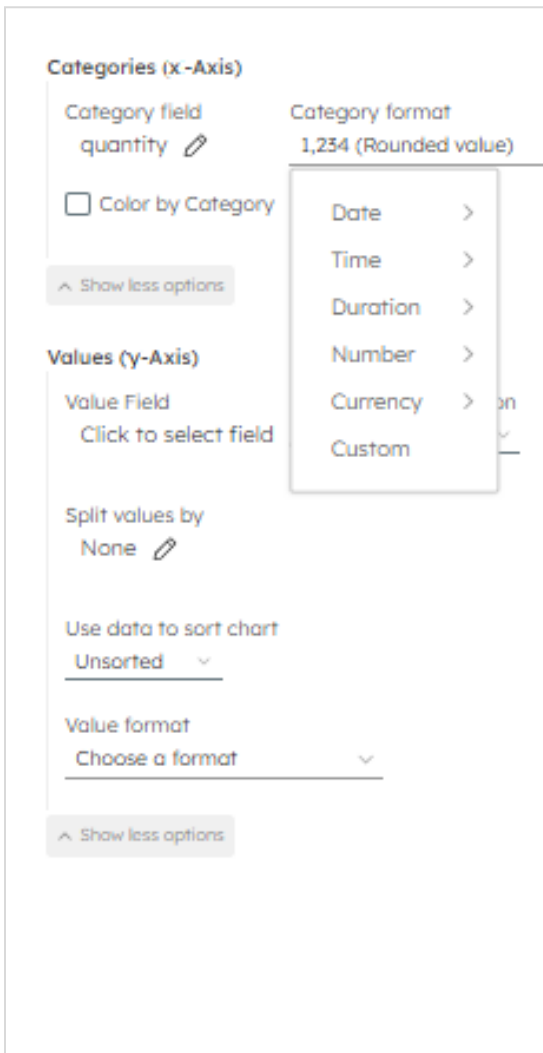
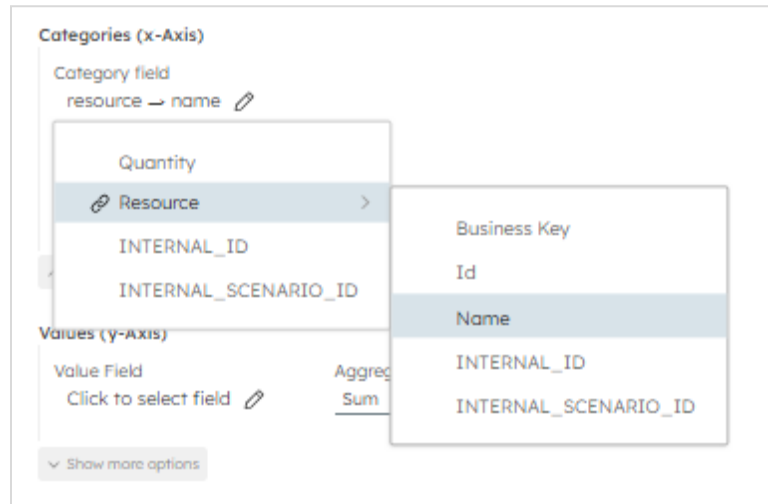
Improved Chart Widget

Improvements are available for the Chart widget “Chart Series”, “Time Axis” and “Split by” options.

Improved “Chart Series” Configurator

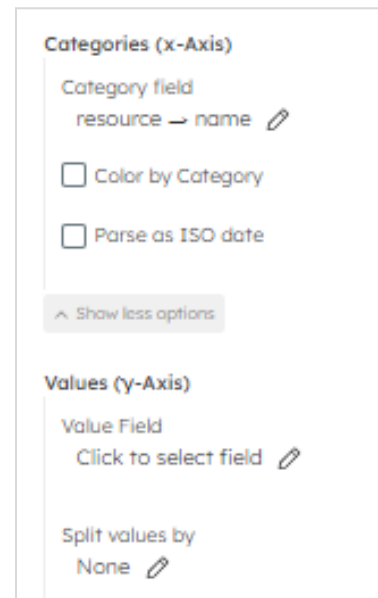
Several changes have been introduced in the configurator tab “Chart Series”.

The “Category Field” and “Value Field” can now be set via a nested menu instead of separate dropdown lists. In addition, x-axis and y-axis related options are now reorganized and can be displayed using the button “Show more/less options”.



A new option “Category format” for the “Trend / Category” chart now allows indicating the formatting of numeric and temporal fields used as “Categories”, i.e. “Date”, “Time”, “Duration”, “Number”, “Currency”, or “Custom” (ICU/Luxon). In addition, the option “Value format” for the y-axis can now also be set to “Duration” for numeric and temporal fields.

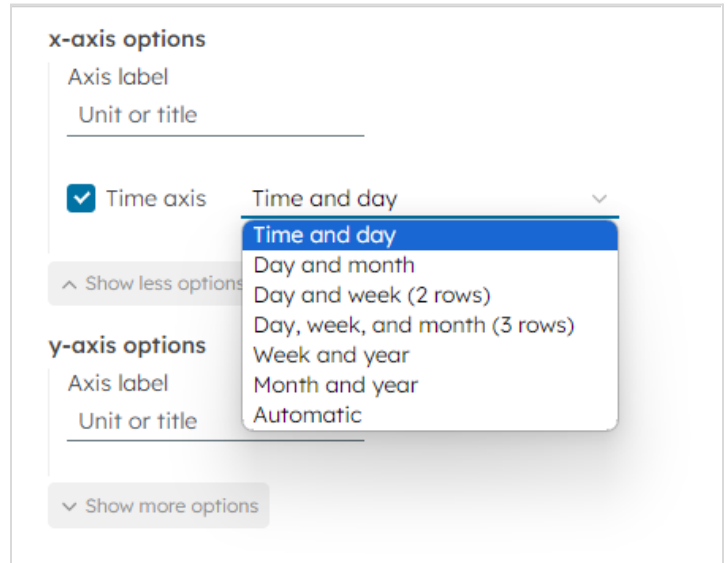
Finally, date and time format strings can now be used as “x-axis (Category)” for the “Trend / Category” chart, whether the option Time Axis is enabled or not.



Improved Chart "Time Axis" Option

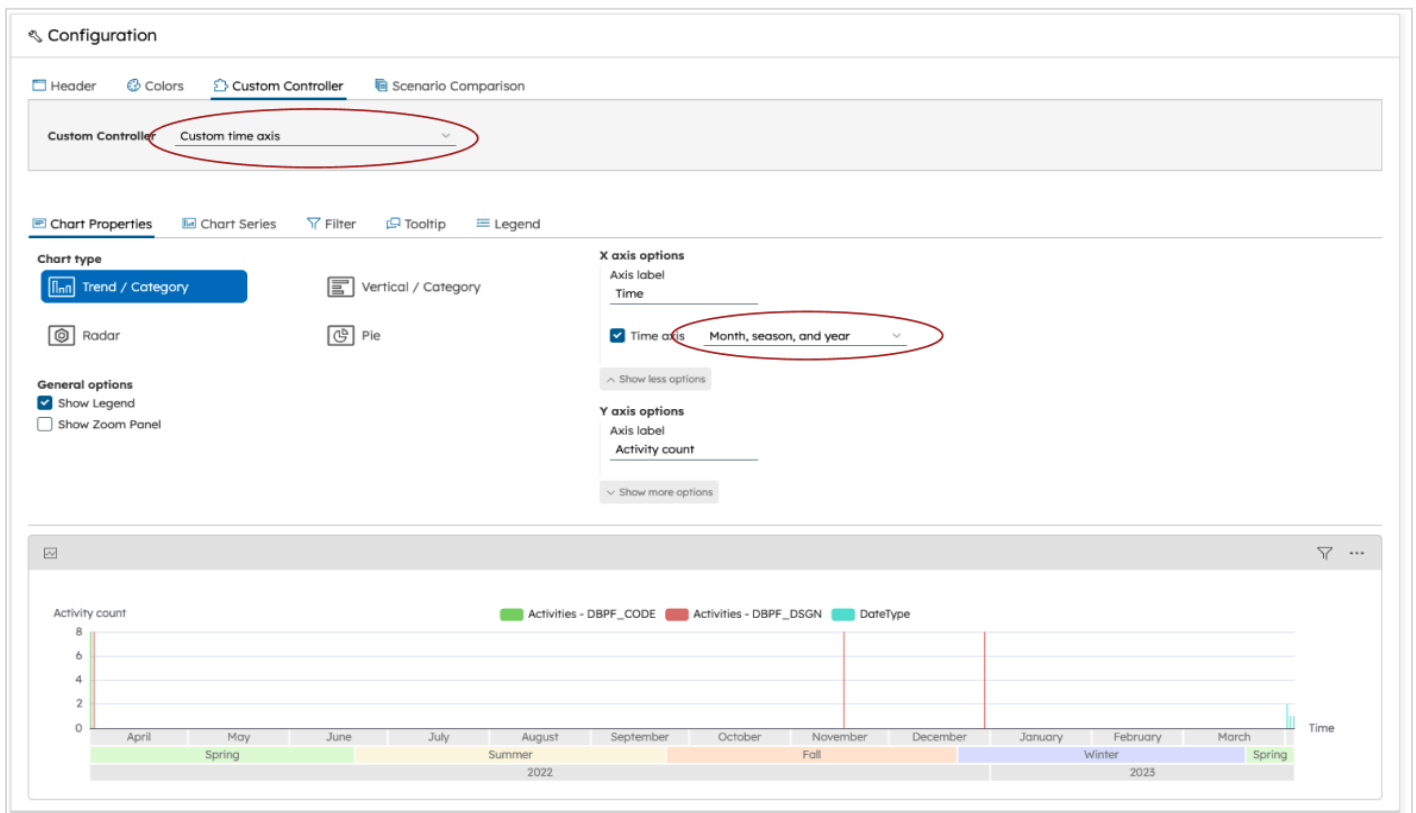
The option *Time Axis* can now be set to "Automatic", which chooses the x-axis labels in the best way according to the range of the temporal data in the scenario.

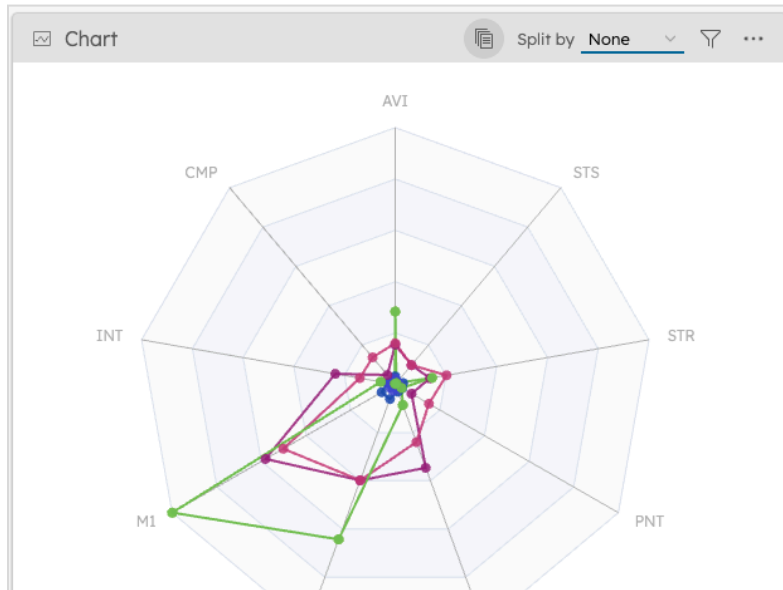
Also, when using the option *Time Axis*, whether it is set to "Automatic" or not, if the "Category" temporal values are regularly scheduled on the same day of the week or the month, the widget now aligns them accordingly as long as they fall at the same time.



In addition, the Chart widget custom controller `GeneChartController` now:

- Provides advanced users with the method `preprocessCategory`, to use a mix of "LocalDateTime" and "Instant" and thus bypass configuration validation.
- Allows the implementation of custom grouping and display options, as in the screenshot below for the method "Custom time axis".

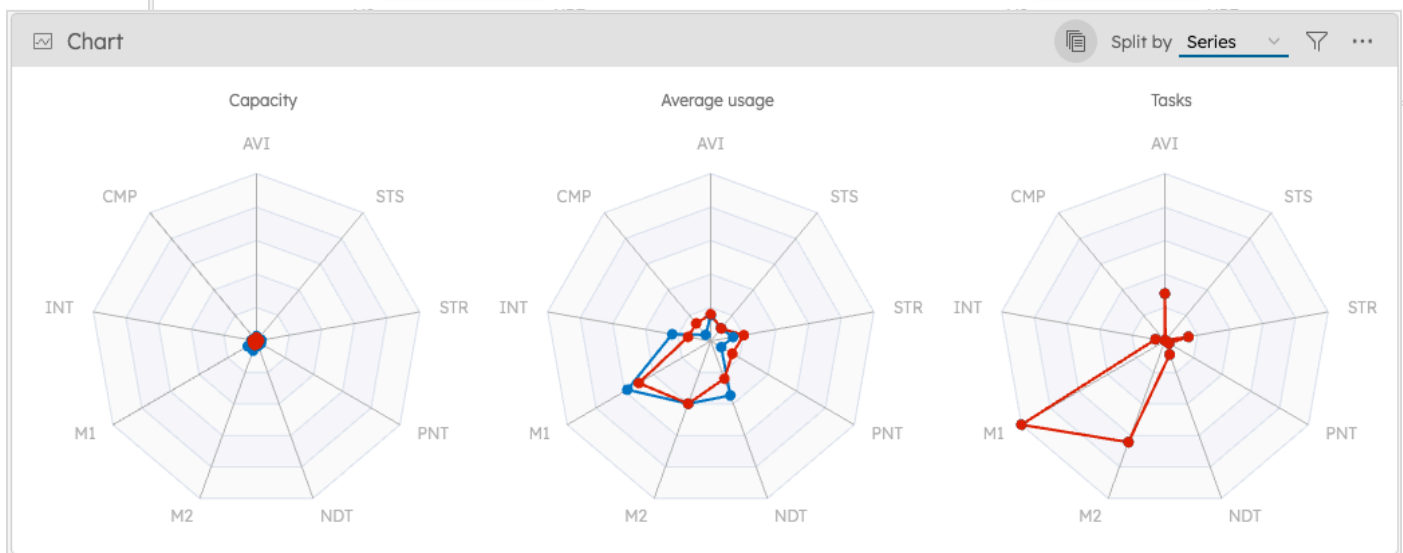




Improved Radar Chart "Split by" Option

The Chart widget toolbar now displays, in Comparison Mode, the option "Split by" for "Radar" charts.

The comparison between scenarios can thus be appreciated with the data "Split by Scenario" or by "Series".



Improved Gantt Chart Widget

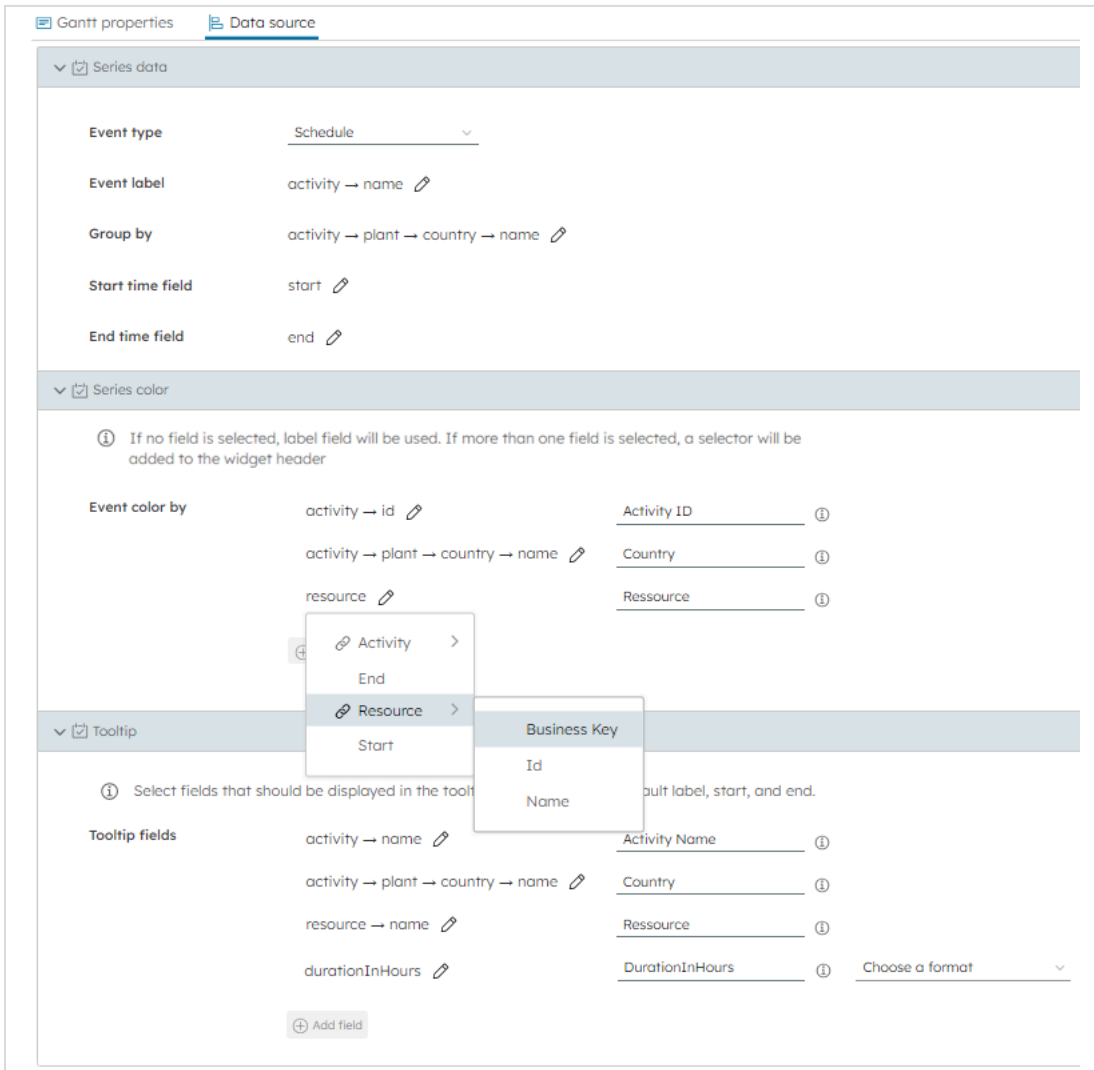
DB Gene 4.0.3-fp3 introduces several improvements in the Gantt Chart widget configurator, color schemes, tooltip, and custom controller.

Improved Gantt Chart Widget Configurator

The Gantt Chart widget configurator now displays new tabs to better organize the different widget options:

- The tab *"Gantt properties"* displays the *"Title"*, *"Description"*, *"Icon"* and *"Navigation target"* fields.
- The tab *"Data source"* displays *"Series data"*, *"Series color"* and *"Tooltip"* dropdown tabs, which allow setting the related options.

Most fields in the *"Data source"* tab can now be set via a nested menu instead of separate dropdown lists.



The screenshot displays the 'Data source' tab of the Gantt Chart widget configurator. It is divided into three main sections: 'Series data', 'Series color', and 'Tooltip'.

- Series data:** Contains fields for 'Event type' (Schedule), 'Event label' (activity → name), 'Group by' (activity → plant → country → name), 'Start time field' (start), and 'End time field' (end).
- Series color:** Includes a help icon and text: 'If no field is selected, label field will be used. If more than one field is selected, a selector will be added to the widget header'. It lists 'Event color by' options: 'activity → id', 'activity → plant → country → name', and 'resource'. Each has a corresponding dropdown menu: 'Activity ID', 'Country', and 'Ressource'.
- Tooltip:** Includes a help icon and text: 'Select fields that should be displayed in the tooltip'. It lists 'Tooltip fields': 'activity → name', 'activity → plant → country → name', 'resource → name', and 'durationInHours'. Each has a corresponding dropdown menu: 'Activity Name', 'Country', 'Ressource', and 'DurationInHours'. A 'Choose a format' dropdown is also present.

A nested menu is shown for the 'Resource' field in the 'Series color' section. The menu options are 'Activity', 'End', 'Resource', and 'Start'. The 'Resource' option is selected, and its sub-menu is open, showing 'Business Key', 'Id', and 'Name'.

Improved Gantt Chart Widget Color Schemes

In the dropdown tab “Series color”, the option “Event color by” that assigns different colors to the events can now use several fields to determine which color should be used. When multiple categories are selected, a “Color by” dropdown menu becomes available in the widget toolbar allowing users to quickly switch the color of the events displayed in the Gantt Chart according to the different color schemes.

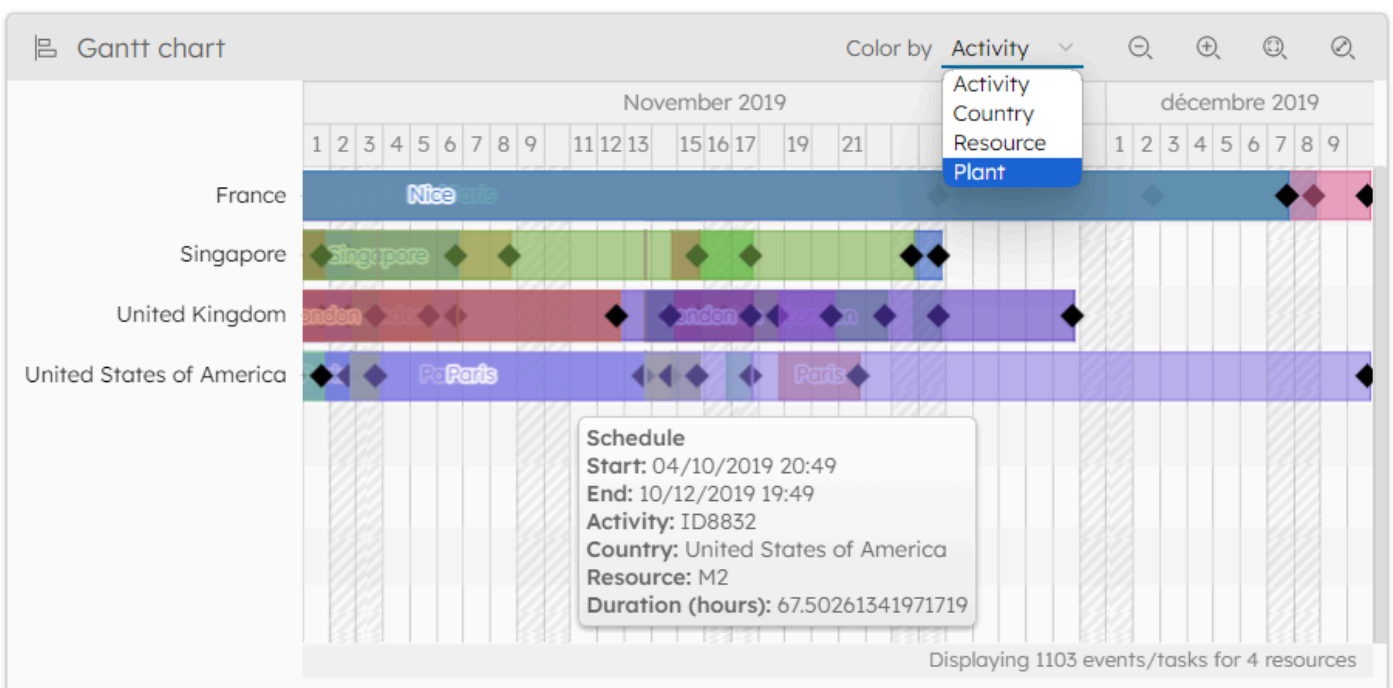
Improved Gantt Chart Widget Tooltip

In the dropdown tab “Tooltip”, the option “Tooltip fields” now allows setting multiple fields related to the event. This displays their values in the tooltip, below the event type, start time, and end time, which are already displayed in the tooltip by default. Users can also customize the field labels and the format of numeric and temporal fields.

Improved Gantt Chart Widget Custom Controller

The Gantt Chart custom controller introduces `renderEvent` and `customRenderers`, which are two distinct mechanics that work independently. Only `renderEvent` is needed to customize the rendering of a task while `customRenderers` can be used to add more options of rendering, such as graying out week-ends or adding deadlines.

Additional methods allow overriding tooltip and color-scheme configurations.



Improved KPI Widget

The KPI widget configurator now displays new tabs to organize the different options:

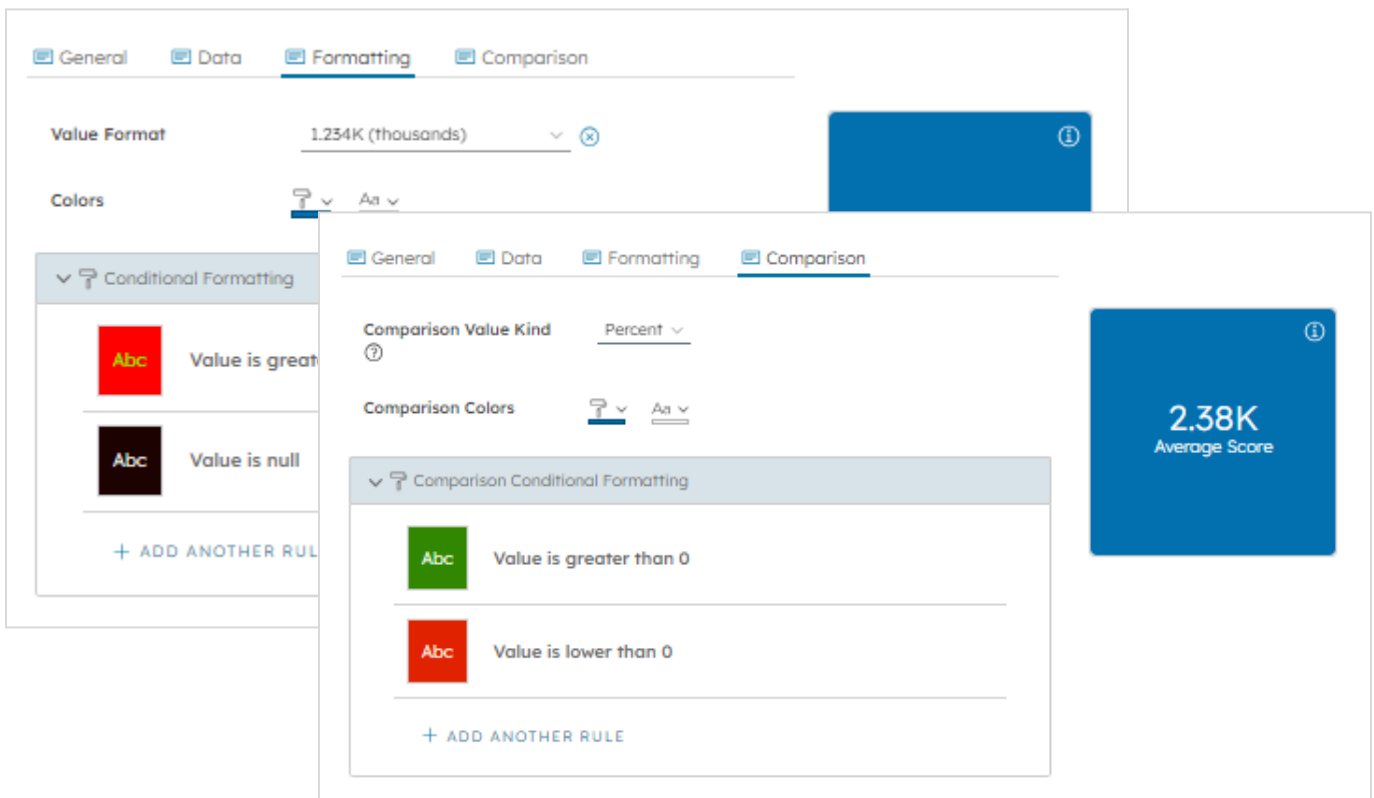
- The tab *“General”* allows setting the *“Title”*, *“Description”*, *“Icon”* and *“Navigation target”* options.
- The tab *“Data”* allows setting the *“Type”*, *“Field”* and *“Value”* options and now also provides users with a way to configure a data source using a *“Custom query”* instead.

In addition, these options now also allow displaying a string value.

- The tab *“Formatting”* allows setting the *“Value format”* to new different measurement units:
 - *“Duration”*, either in *“Seconds”*, *“Minutes”*, *“Hours”*, *“Days”*, *“Weeks”*, *“Months”* or *“Years”*, and
 - *“Number”*, either in *“Thousands (K)”* or in *“Millions (M)”*, rounded or not.

In addition, beneath the default *“Colors”*, the new button *“Conditional Formatting”* now allows displaying rule edition options that are based on the KPI value.

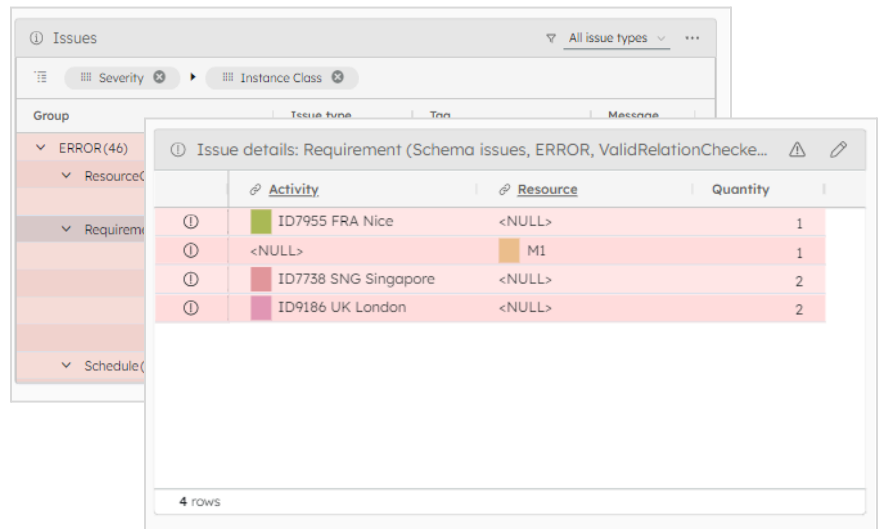
- The tab *“Comparison”* allows setting the KPI Scenario Comparison Mode parameters, such as the *“Comparison Value Kind”*, the default *“Comparison Colors”* options, as well as the new button *“Comparison Conditional Formatting”* which displays rule edition options that are based on the delta between compared KPI values. In addition, these options are now also available for string values.



The screenshot displays the KPI widget configurator interface with four tabs: General, Data, Formatting, and Comparison. The Formatting tab is active, showing the Value Format set to '1.234K (thousands)' and a Colors section with a blue color swatch. A 'Conditional Formatting' panel is open, showing two rules: 'Value is greater than 0' with a red color swatch and 'Value is null' with a black color swatch. The Comparison tab is also visible, showing the Comparison Value Kind set to 'Percent' and Comparison Colors set to blue and black. A 'Comparison Conditional Formatting' panel is open, showing two rules: 'Value is greater than 0' with a green color swatch and 'Value is lower than 0' with a red color swatch. A preview of the KPI widget is shown on the right, displaying '2.38K Average Score' on a blue background.

Improved Issue Widgets

Selecting a Group in the Issue List widget now displays all the corresponding issues in the Issue Details widget located on the same dashboard.

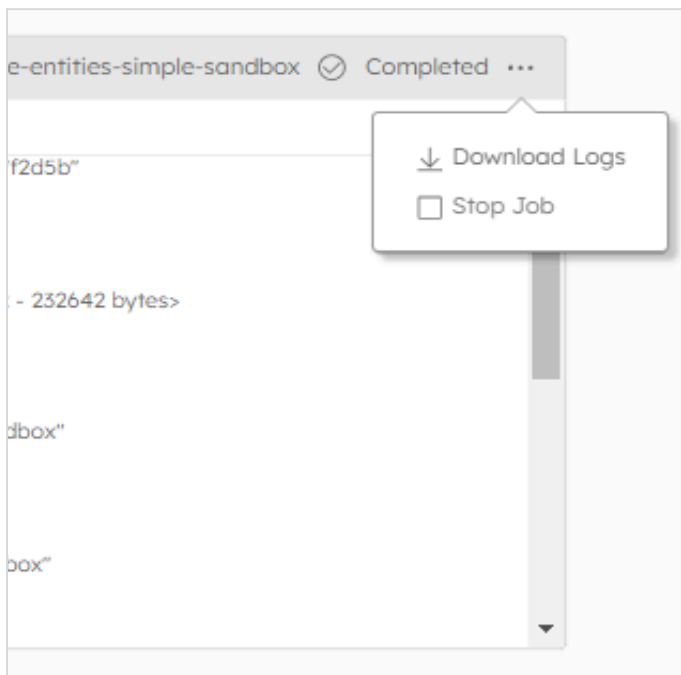


Improved Job Widgets

The Job List, Job Details, and New Job Button widgets all implement improvements in 4.0.3-fp3.

Improved Job List Widget

The Job List widget now provides users with a column dedicated to the job “Duration”.



Improved Job Details Widget

The widget toolbar menu now allows using the “Stop Job” button to stop routines, which execution now supports an interruption protocol.

Also, the size of job output files, if any, are now available next to their name in the tab “Results”.

Finally, job logs now display event error messages in real time during the job execution and they no longer include system logs, which are still included in the execution service log.

Improved New Job Button Widget

The new custom controller class `GeneNewJobButtonController`, allows users to customize several aspects of the New Job Button widget appearance and behavior, such as the “disabled” state, the button label, or the click handler.

Technical Features

DB Gene 4.0.3-fp3 introduces several technical improvements, such as a new security role allowing users to manage their own API keys, a new way to load DOM collectors, improved scripted task definition, enhanced Python and Gradle management, as well as a more customizable DBOS worker-on-demand configuration.

Improved Scripted Tasks

Scripted tasks no longer allow adding system logs to the job logs but introduce a new method to retrieve an element from a list as well as a new way to handle the job ending and follow-up.

Removed Task-Defined System Logs

Job logs now exclude system logs, which could previously be enabled during the task definition via the now deprecated method `ScriptedTaskDescription.setPersistSystemLog`.

New List Element Retrieving Method

In the script of a scripted task, it is now possible to retrieve an element from a list using the new method `ListExpression.elementAt(Expression list, Expression index)`.

New Routine Interruption Protocol

User-defined routines can now be interrupted from the Job Details widget using the button “*Stop Job*”. This behavior was only available for optimization server tasks, i.e. DBOS jobs.

New Task Exit Script

Users can now define an exit script to execute after the main script of a task, whether the job has succeeded or failed.

New DOM Collector Internal API Loading

Developers are now provided with a new API Data Service extension called `DataCollectorService`, which allows loading scenario data as a DOM collector.

Improved API Keys Management

A new role named "API_KEY_ADMIN" is now available from the Permissions widget or in Keycloak. This role allows users to access the API Keys Management view and manage all the users' API keys. This behavior was only permitted by the role "PERMISSIONS_ADMIN", which also grants more rights. The role "API_KEY_ADMIN" comes in addition to the existing role "API_KEY_BACKOFFICE" which allows users to manage their own API keys.

Improved Python Development

In version 4.0.3-fp3, DB Gene now allows the creation of DOM collectors in Python and improves Python-based data integration and export.

New Python DOM Collector

In addition to the Java classes located in the Gradle module `gene-model-dom`, the generation performed during the application build phase now provides users with similar Python classes in the Gradle module `gene-model-dom-python`.

Using these classes, developers can now create DOM collectors in Python that can save and load scenario data, in the same way as with Java classes. However, pre-generation code customization is only available in Java.



New Python Data Integration

Gene 4.0.3-fp1 introduces the Python data integration service `db-gene.dataintegration.core`, which provides the abstract class `GeneDataConsumer` which can take a set of entity names as a parameter to filter the entities to be used in the new `do_consume` method. All entity types are accepted if the set is defined as `None`.

In addition, performance is increased in Python, when saving a CSV collector archive, which is now filled using a stream instead of a temporary file.




Improved Gradle Configuration

A `gradle-local.properties.sample` is now generated in the project root directory. When copied as `gradle-local.properties`, it allows developers to configure some properties that are specific to the developer and the project. These properties override the ones set in `gradle.properties` and `.gradle/gradle.properties` from **your** home directory.


Improved DBOS Workers-On-Demand Chart Configuration

The chart `dbos-workers-on-demand` now allows configuring the option `ttlSecondsAfterFinished` on the execution contexts used to run the on-demand workers. Also, the Kubernetes job `wod-register-request`, which triggers the worker registration, has been renamed as `wod-registration-trigger` and it is now possible to configure its block `resources`.



DBOS

DecisionBrain
Optimization Server



Changelog

DB Gene 4.0.3-fp3 introduces several improvements and bugfixes listed in detail below.

Improvements

DB Gene 4.0.3-fp3 introduces the following improvements:

Application <i>General</i>	<i>DBPF-5271</i>	Users can now configure the visibility of the Scenario Selector and the Toolbar for any view or dashboard
Application <i>Access Control</i>	<i>DBPF-4823</i>	Users can now access the API Keys Management view to manage their API keys using the role "API_KEY_ADMIN"
Application <i>Views & Dashboards</i>	<i>DOC-380</i>	Users can now set any dashboard as "Home" view
	<i>DBPF-5355</i>	Using the legacy "Home" module now triggers an error message in the web client
	<i>DOC-101</i>	Users can now duplicate widgets and edit them in the process
	<i>DOC-597</i>	Users are now prompted with a confirmation message before deleting widgets
Application <i>Workspaces & Scenarios</i>	<i>DBPF-5291</i>	The Scenario List widget now disables certain items in the "Actions" menu while a task is performed on the selected scenario

Data <i>Built-in Import/Export</i>	DOC-412	The name of an imported scenario is now based on the file name
	DOC-300	The exported file name is now based on the scenario name
Data <i>Data Integration Framework</i>	DBPF-3151	Users can now set a custom value format based on either ICU or Luxon
	DBPF-5227	Collectors are now loaded using the data service internal API
DBOS <i>Master</i>	DBPF-4934	Unused DBOS master accounts are now removed
	DOC-621	The DBOS worker-on-demand chart now allows "resources" and "ttlSecondsAfterFinished" configuration
Dev <i>3rd-party Components</i>	DBPF-5449	The Platform now relies on Angular 16.2.8
	DBPF-5428	The Platform now relies on AG Grid 30.2.0
	DOC-612	The Platform now relies on platform-common-lib 1.0.3
	DBPF-4703	The Platform "DataService" now relies on SpringBoot 3 GraphQL Integration
Dev <i>Build</i>	DBPF-5121	The Python and Docker Gradle plugins are now enhanced
	DBPF-5039	The Generator Gradle plugin is now enhanced
	DBPF-5476	Developers can now add local properties on a per-project basis in the "gradle-local.properties" file

Dev Python	DBPF-4922	Python tasks are no longer "up-to-date" when there are changes in the "virtualenv"
	DBPF-5475	The Python data integration consumer is now filterable
	DBPF-5456	Python module export is now enhanced
	DOC-518	Python developers can now manipulate scenario data using the DOM collector API
	DOC-602	The IntelliJ IDEA "run" configuration is now available in gene-dev-sample
Scripted Tasks Definition	DOC-477	Users can now define an exit script for a task
	DOC-469	The scripted task method "ListExpression.elementAt" now allows retrieving an element from a list
	DOC-565	Job logs no longer include system logs, which are still included in the execution service log
Scripted Tasks Routines	DOC-566	Routines are now interruptible

UI General	DBPF-5405	All the widgets that load data now allow displaying filtered data using the tab "Filters" in the configurator
UI Extensibility	DOC-468	Custom controllers can now be defined for the New Job Button widget
	DBPF-5335	Custom controllers now allow adding custom context menu actions in the Scenario List widget
	DBPF-5225	Custom controllers now allow overriding the content of the Gantt Chart widget tooltip
	DBPF-5338	Custom controllers now implement a new "loadData" method
	DBPF-5369	Custom controllers now implement grouping and display options for the Chart widget time axis
	UI Look & Feel	DBPF-4790
DBPF-4796		The Application Management view "Revert" warning message is now rephrased
DBPF-4797		The Conflict Editor information message is now rephrased
UI Tables	DOC-438	The Data Explorer widget now displays a more visible indication of a column filter
	DBPF-2751	The Data Grid widget column filter now displays "Before" and "After" for date fields instead of "Less than" and "Greater than"
	DBPF-4667	The Issue Details widget now displays all Issues of a Group selected in the related Issue List widget
	DOC-641	The Issue List widget now displays a warning if there are too many issues to display

UI Charts	DOC-510	The Chart widget custom controller now allows displaying both "Instant" and "LocalDateTime" series at the same time
	DBPF-5219	The Chart widget layout is now computed more precisely
	DOC-632	The Chart widget "Category format" now allows selecting numeric and temporal fields
	DBPF-3643	The Chart widget option "Split by" is now available in Scenario Comparison Mode for "Radar" charts
	DBPF-5208	The Chart widget option "Time axis" can now be set to "Automatic"
	DOC-631	The Chart widget option "Time axis" now allows aligning data on months
	DBPF-5204	The Chart widget option "Time axis" now allows aligning data on weeks
	DBPF-5226	The Chart widget option "Time axis" now allows using the ISO date and time format for string categories with the option "Parse as ISO"
UI Gantt	DBPF-5218	The Gantt Chart widget configurator now allows formatting numeric and temporal fields displayed in the tooltip
	DOC-523	The Gantt Chart widget configurator now allows picking nested fields for the "Start" and "End" time fields
	DOC-524	The Gantt Chart widget configurator now displays enhanced tooltip options
	DOC-494	The Gantt Chart widget now allows rendering customization
	DOC-455	The Gantt Chart widget configurator now allows selecting multiple categories in the option "Event color by"

UI KPI	<i>DOC-486</i>	The KPI widget configurator now allows setting a data source using a "Custom query"
	<i>DOC-452</i>	The KPI widget configurator now allows setting a "Duration" as "Value format"
	<i>DOC-448</i>	The KPI widget configurator now allows setting a "Number" in thousands (K) and millions (M) as "Value format"
	<i>DOC-456</i>	The KPI widget configurator now allows setting value-based "Conditional Formatting"
	<i>DBPF-4793</i>	The KPI widget configurator now allows setting enhanced "Comparison Conditional Formatting"
	<i>DOC-487</i>	The KPI widget now allows Scenario Comparison Mode for string values
UI Filter	<i>DBPF-5118</i>	The Filter widget is now case-insensitive by default
UI Job	<i>DOC-327</i>	The Job List widget now displays the column "Job duration"
	<i>DOC-129</i>	The Job Details widget now displays the size of job output files next to their name
UI Timeline	<i>DBPF-5148</i>	Errors linked to scenario events are now better reported in the scenario service log
UI Scenario Comparison	<i>DBPF-4794</i>	Scenario Comparison Mode is now toggled on by default for all compatible widgets

Bugfixes

DB Gene 4.0.3-fp3 introduces the following bugfixes:

Application Configuration	DBPF-5065	The Topbar Settings option "Reset Default Configuration" was not resetting the Application Preferences
Application Workspaces & Scenarios	DBPF-5054	In responsive mode, the Sidenav Workspace Selector was not working properly
Data Built-in Import/Export	DBPF-4970	Exporting data to DBRF was causing references to be lost when part of a composite reference business key was null
	DOC-525	Importing Excel data containing an entity linking to itself was triggering an error
Data Data Integration Framework	DOC-401	In some cases, the Data Service "DbDomCollectorConsumer" was not setting entity relationships
Data Database	DOC-500	Having several lines in a "single.row" entity was not raising a "Genelssue"
Data Generation	DOC-462	Not defining the bean "ScenarioDataEventsHandlerImpl" in the project was preventing the scenario service to start
Data JDL	DOC-355	In some cases, a collector was not retrieving an entity due to the JDL name accessor
	DOC-472	Using negative numbers in "min()" constraints of JDL attributes was triggering errors

DBOS Master	DBPF-5252	Cleaning old DBOS jobs was not updating "gridfs" entries accordingly
	DOC-461	The DBOS logs were not displaying properly numbers formatted in Java using the "France" locale
	DOC-745	DBOS master was stacking thousands of messages in RabbitMQ
DBOS Web Console	DOC-334	The DBOS console was displaying Job duration based on "waiting + running time", not "running time"
	DBPF-5106	The DBOS console was not using the font "Lexend Deca"
DBOS Worker	DOC-402	The DBOS Python worker was not properly parsing Boolean fields
Dev 3rd-party Components	DBPF-2672	The default IntelliJ "run" configuration for Java services was not properly working on Windows
Dev Build	DBPF-3873	In the scaffolded Helm build script, the "updateCode" rules were not configured properly
	DOC-515	The Platform was incorrectly detecting missing translations which was triggering invalid warnings
	DBPF-5092	Using a not-yet released DBOS version was preventing running the Gradle "updateCode" task
	DOC-460	Worker Docker images were not including Python sub-packages

Dev Deployment	DBPF-5577	In some cases, on Windows, the Postgres Docker container was not starting
	DBPF-4924	For Kubernetes, the "execution-service" was using a different account than for Docker, thus preventing calling the DBOS API
Dev Python	DBPF-5124	Having the Python engine as git dependency in "constraints.txt" was triggering an error as it is not allowed
Dev REST API	DOC-645	It was impossible to access the Platformservices health endpoint
	DOC-521	Some "gene/common-widget" components were missing from "public-api.ts"
Scripted Tasks Definition	DOC-465	In some cases, comparing numeric values in scripted tasks was returning invalid results
Scripted Tasks Jobs	DOC-598	Cleaning old jobs was not updating "execution-db.jobLogRows" entries accordingly
	DBPF-5383	In some cases, jobs were failing silently due to an "Out Of Memory" error
	DOC-463	It was impossible to download a job output above 600MB

UI <i>General</i>	<i>DBPF-5228</i>	In the Custom Format modal, the help tooltip was not linking toward the documentation
	<i>DBPF-5281</i>	In some cases, the application controller method "customizeSideNavLinks" was not working properly
UI <i>Extensibility</i>	<i>DBPF-5309</i>	In some cases, when using a custom controller, the Gantt Chart widget data source form was enabled but not used
	<i>DOC-559</i>	The Platform chart builder was not calling the controller "GeneChart widgetcontroller.postProcessChart widgetOptions"
UI <i>Look & Feel</i>	<i>DBPF-5410</i>	The label "API Keys Management" was containing typos in the Topbar Settings menu and on the related view
	<i>DBPF-5117</i>	Custom widgets were not calling "GeneBaseDataWidgetComponent.onResize" when resizing the browser window
	<i>DBPF-5201</i>	In some cases, application settings were not properly implementing user settings
	<i>DBPF-5351</i>	Some widgets were not having a default title
	<i>DBPF-5069</i>	Setting a user setting by code was not properly refreshing the "UserSettings" observable
	<i>DBPF-5171</i>	The "Custom format" modal was not properly displaying the ICU message preview when editing an existing format

UI Tables (1/2)	DBPF-5325	Editing the "Actions" options of a Scenario List widget was applying them to all similar widgets on the same dashboard
	DBPF-5547	In some cases, in the Data Explorer widget, navigating between views was triggering errors
	DOC-439	In some cases, in the Data Grid widget, leaving the Edition mode was impacting data filtering and sorting
	DBPF-5535	In the Data Explorer widget, common configuration changes were not triggering a configurator refresh
	DOC-501	In the Data Explorer widget configurator, the left panel was displaying cropped labels for hidden tables and folders names
	DBPF-4538	In the Data Explorer widget, changing scenario while editing data was not triggering an error message
	DOC-679	In the Data Grid widget, columns based on boolean properties of relation entities were displaying empty cells instead
	DBPF-5172	In the Data Grid widget, clicking outside of a selection of cells was not clearing the selection
	DBPF-5217	In the Data Grid widget in Edition mode, duplicating rows which had just been filled in, was creating empty rows instead
	DOC-441	In the Data Grid widget, column filters based on duration fields were not working properly
	DOC-440	In the Data Grid widget, column filters based on local date fields were not working properly

UI Tables (2/2)	DBPF-4956	In the Data Grid widget, column filters based on time fields were not properly displaying the selector when changing the "Year"
	DBPF-5286	In the Data Grid widget, column filters based on time fields were not working properly
	DOC-522	In the Data Grid widget, copied content was being pasted onto newly created rows in the wrong order
	DOC-447	In the Data Grid widget, copying and pasting were not working for rows containing a space in their "Id"
	DBPF-5202	In the Data Grid widget, entities with "Binary" fields in the "Primary key" were triggering errors
	DBPF-5548	In the Data Grid widget, it was impossible to copy and paste "LocalDate" values
	DOC-527	In the Data Grid widget, it was impossible to copy and paste "LocalTime" values
	DBPF-5158	In the Data Grid widget, manually editing a "Date" value was emptying the cell
	DBPF-4998	Reopening the configurator of a Composite widget solely populated with an Issue List was displaying an error

UI Charts	<i>DBPF-5111</i>	In some cases, the Chart widget was not displaying axis labels immediately upon configuration
	<i>DBPF-5035</i>	In some cases, the Chart widget was not displaying legends properly
	<i>DBPF-5165</i>	In some cases, when parsing corrupted data, the Chart widget was crashing
	<i>DOC-508</i>	In some cases, in the Chart widget configurator, the option "Time axis" was displaying a different time format
	<i>DBPF-5157</i>	In some cases, in the Chart widget configurator, the option "Time axis" was displaying an empty dropdown list
	<i>DBPF-5166</i>	In some cases, using the Chart widget option "Time axis" with invalid data was causing the application to freeze
	<i>DBPF-5402</i>	In the Chart widget configurator, switching a "Pie" chart to another type was not updating the "Series title" accordingly
	<i>DBPF-4232</i>	In the Chart widget configurator, it was possible to configure a filter with an empty field which was triggering errors
	<i>DBPF-5213</i>	In the Chart widget, inconsistent data could be displayed when using "Business Key" as category with duplicate or invalid keys
	<i>DBPF-5512</i>	The Chart widget was not properly displaying split pie and radar charts containing long labels
<i>DBPF-5224</i>	The Chart widget was refreshing twice upon configuration or when loading data	

UI <i>Gantt Chart</i>	<i>DBPF-5113</i>	In the Gantt Chart widget, the configurator was requiring a data source even when using a custom controller
	<i>DBPF-5495</i>	In the Gantt Chart widget, the custom controller was calling the method "tooltipContentsProvider" too many times
	<i>DBPF-5308</i>	In the Gantt Chart widget, the time axis label was not displaying the year next to the last visible month
	<i>DOC-493</i>	In the Gantt Chart widget, the time axis was not displaying months properly
	<i>DOC-646</i>	In the Gantt Chart widget, using LocalDate fields as "Start" or "End time field" was preventing the Time axis to display properly
	<i>DBPF-5112</i>	The Gantt Chart widget was displaying the Tooltip even with empty contents
UI <i>KPI</i>	<i>DOC-614</i>	The widget KPI widget was not displaying errors for failed API requests
	<i>DBPF-4945</i>	In some cases, the KPI widget comparison option was not working properly
	<i>DBPF-5312</i>	In the KPI widget configurator, the dropdown list "Value Format" was displaying a value twice
	<i>DBPF-5289</i>	In the KPI widget configurator, the dropdown menu "Value format" was displaying incompatible parameters
	<i>DBPF-5230</i>	In the KPI widget configurator, translations were missing
	<i>DBPF-5223</i>	The KPI widget option "Filter Value" was not properly refreshing the preview in the configurator
	<i>DBPF-5320</i>	The widget KPI widget was not displaying errors for failed API requests

UI <i>Filter</i>	<i>DBPF-5159</i>	In the Filter widget, manually editing a date was resetting the widget
UI <i>Job</i>	<i>DBPF-5337</i>	In the "New Job" wizard modal, when submitting the form, the temporal input was triggering an error
UI <i>Calendar</i>	<i>DOC-548</i>	In the Calendar widget configurator, Conditional formatting was not working properly for series of Boolean type
	<i>DOC-542</i>	In the Calendar widget configurator, adding transparency to a color was triggering errors
	<i>DOC-545</i>	In the Calendar widget configurator, setting a duration or date field as an Event Label was not working properly
	<i>DOC-560</i>	The Calendar widget was highlighting business hours by default
	<i>DOC-544</i>	The Calendar widget was not using the browser locale
	UI <i>Timeline</i>	<i>DBPF-5123</i>
<i>DBPF-5216</i>		In some cases, the Scenario Timeline widget was not refreshing properly
<i>DBPF-5122</i>		In the Scenario Timeline widget, the tooltip was not working properly