



MEGA
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HOPEX 5.0

Release Notes #CP5

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1. Upgrading to HOPEX V5 CP5

Please review HOPEX Documentation [HOPEX V5 EN \(mega.com\)](https://mega.com/hopecp5)

1.1. Prerequisites

1.1.1. .net framework

Due to security fix, you must update .net Core hosting bundle to **6.0.10 minimum**.

1.1.2. Workspace Management

The collaborative workspace feature is removed from HOPEX V5 CP5.

Before upgrading to HOPEX V5CP5 or upper, it is mandatory to dispatch or abort all existing collaborative workspaces.

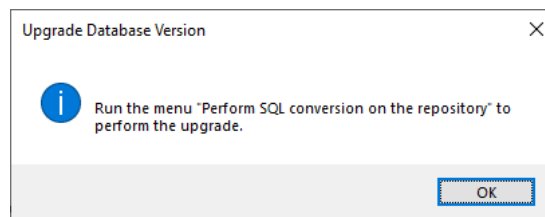
An improved version of this feature may be available in a future version.

1.2. Conversions

1.2.1. Technical conversion

Note that there is a technical conversion in HOPEX V5 CP5. It updates SQL tables and indexes to the expected format.

When opening the environment to be upgraded, you will be prompted to run the conversion.



This technical conversion is managed by the environment upgrade wizard on each data repository.

1.2.2. Data Conversion

Note that there is a data conversion in HOPEX V5 CP5: **Repository - Conversion of RTO and Business Impact of BIAs.**

- When upgrading from a **previous Version of HOPEX (HOPEX V4...)**, it is **automatically** executed by the update wizard.
- If the data comes from a **previous CP of HOPEX V5**, this conversion will have to be carried out **manually**, if necessary.

2. Common Features

2.1. What's new?

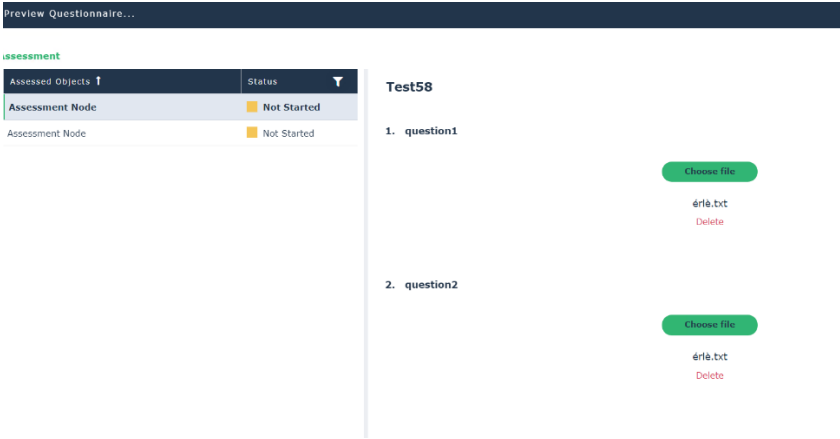
Nothing to share in this section.

2.2. Changes

Nothing to share in this section.

2.3. Fixes

Case 00125908 Cannot upload certain files when filling Questionnaire (special char., Questionnaire preview)
 It is now possible to upload a file whose name includes a special character (e.g.: é,ô).



The screenshot shows a 'Preview Questionnaire...' window. On the left, there is a table with columns 'Assessed Objects ↑' and 'Status'. The table contains one row: 'Assessment Node' with a status of 'Not Started'. To the right of the table, there are two questions: '1. question1' and '2. question2'. Each question has a 'Choose file' button and a file name 'érlé.txt' with a 'Delete' link below it.

Case 00123847 Time to load diagram is excessive

Case 00126907 Error when loading Realization Matrix
 Now when a matrix is too big, a message box is displayed to indicate it, but it is up to the user to select the rows/columns that interest him (because we cannot show everything)

Case 00129220 Unexpected message 'Read Only' when opening diagram
 This issue has been fixed with HOPEX V5CP4 hotfix 04 or higher (Case 00126669)

Case 00128482 Incorrect data in migrated Questionnaire

Case 00127154 Incorrect behavior of Function IsCompiled on MegaEnvironment

The **IsCompiled** function can be used to get information regarding the Metamodel and Technical Data compilations, but this function does not take into account more compilation states like permissions.

To get more information regarding the current environment compilation state, use

```
CurrentEnvironment.GetCompilationStates
```

This function enables to get the compilation states of MetaData, TechnicalData, MetaPicture, MetaTreeNode, DiagramTypeZoom, DiagramType, Query, and Permission.

It returns a bit string (0 to 8) corresponding to each of the states

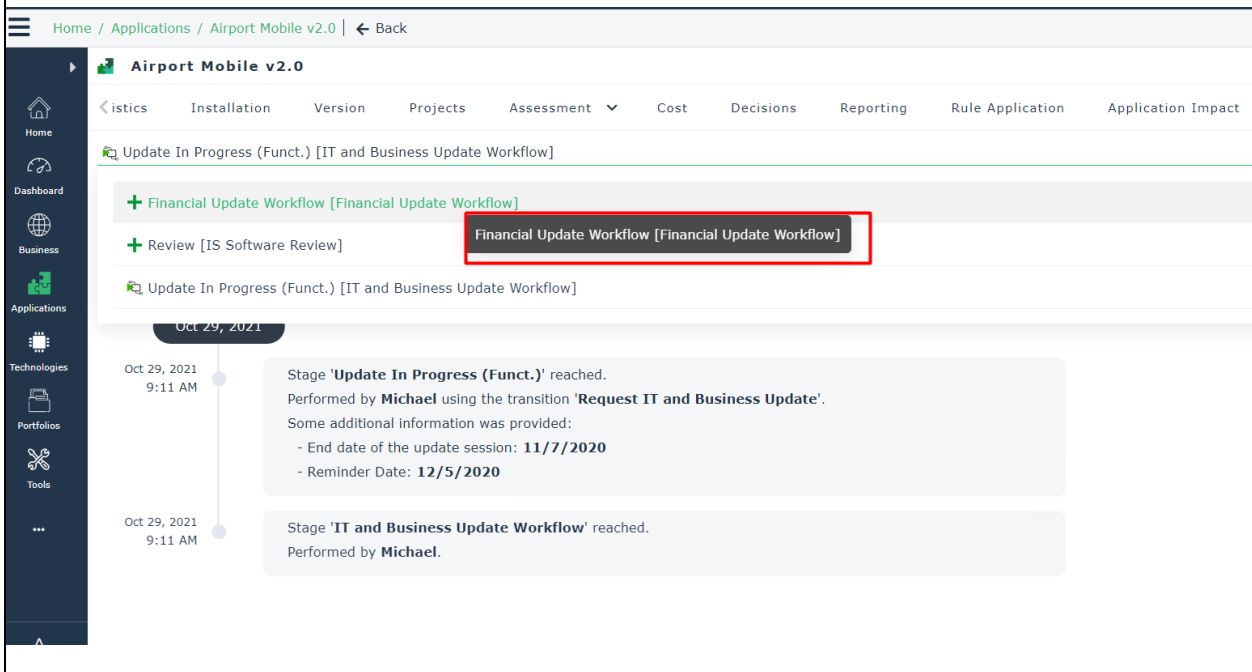
- &H0001 for "MetaData"
- &H0002 for "TechnicalData"
- &H0004 for "workflow"
- &H0008 for "MetaPicture"
- &H0010 for "MetaTreeNode"
- &H0020 for "DiagramTypeZoom"
- &H0040 for "DiagramType"
- &H0080 for "Query"
- &H0100 for "Permission"

Example: to get the permission compilation state of the current environment, enter the following code in a .vbs file:

```
Dim uStates
uStates = oRoot.CurrentEnvironment.GetCompilationStates
if uStates and &H0100 then
    print "Permissions are compiled"
else
    print "Permissions are not compiled"
end if
```

Case 00124996 Incorrect language for tooltip on Workflow Instance

The tooltip is now displayed in the user GUI language.



Case 00122258 Cannot display property page for searched object (full search result)
 The result is now correctly displayed after the search and page content update.

The screenshot shows the HOPEX IT Portfolio Management interface. The search bar contains 'mobile'. The left sidebar has a 'Filters' panel with 'Object Type' set to 'Application'. The main content area displays search results under the heading 'Object'. Three results are visible:

- MyCompany.com Mobile**
 Long name: 1. AS-IS::6. APM::Data::Application::MyCompany.com Mobile
 Comment: Future mobile application.
 Found in: Name, Comment Header, Comment, Short Name, Software Installation MyCompany.com Mobil Header, Short Name, Name), Cost Line MyCompany.com Mobile - Service-1 (Short Name, Name, Commer Cost Line MyCompany.com Mobile - Manpower (Comment Header, Short Name, Name)
- Mobile web payment**
 Long name: Sample - Retail Corp::Retail Corporation::Mobile web payment
 Found in: Name, Short Name, Diagram Application Structure Diagram (Name)
- TC-Adobe Creative Cloud**
 Comment: Creative Cloud is a collection of 20+ desktop and mobile apps and services for photography, c
 Found in: Comment, Comment Header, Business Capability Fulfillment Fulfillment of [Media] by [TC-Adot Manage Customer Experience] by [TC-Adobe Creative Cloud] (Comment Header), Business Capability Full

Case 00130912 Notification read still displayed as unread
 All read notifications are now correctly marked as "read".

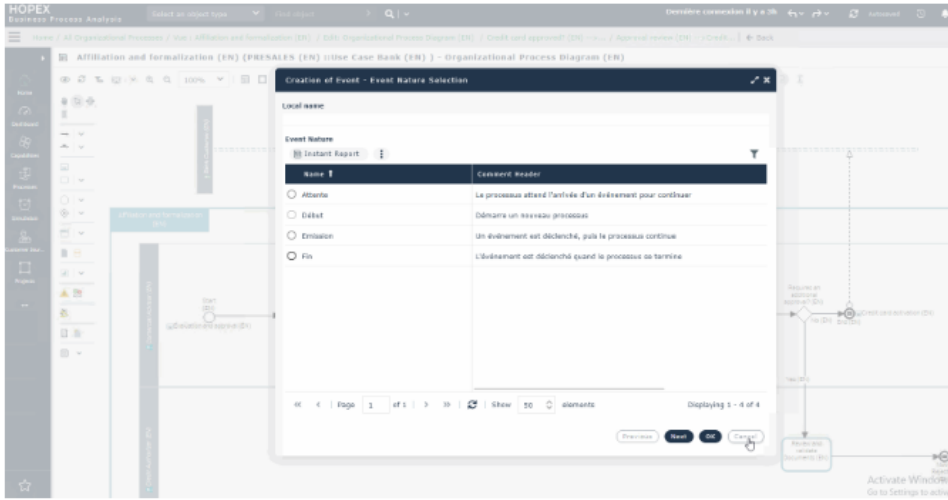
The screenshot shows the notification area of the HOPEX interface. At the top, there are icons for notifications (with a red '2' badge), a user profile, and a help icon. Below this is a section titled 'Unread notifications'. It contains two notification items:

- Mega** (Yesterday)
 New workflow status assigned: Being Reviewed (Idea Validati...
 Idea-1
- Mega** (Yesterday)
 New workflow status assigned: New (Idea Validation - 2022/0...
 Idea-1

At the bottom of the notification list, there is a 'Show all' button.

Case 00124539 Unexpected display of Sequence Flow (specific scenario)

The “editing a diagram” feature is now fixed for this specific scenario.

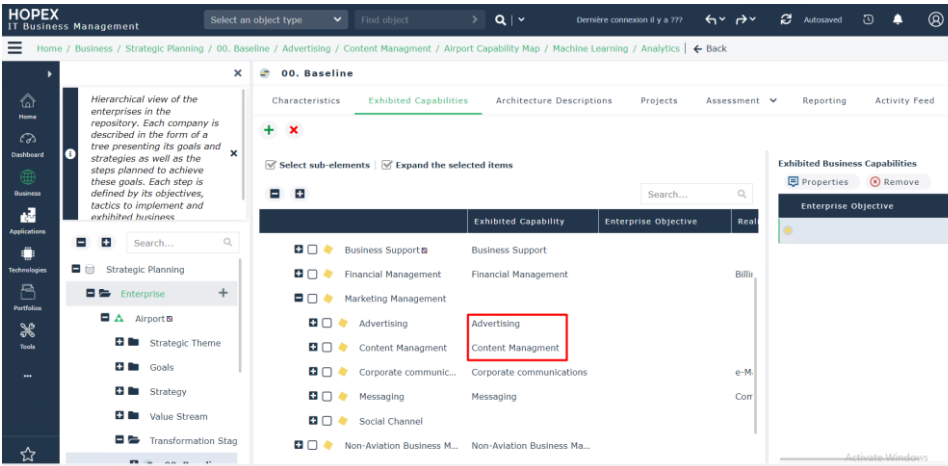


Case 00124651 o in option name (Session timeout)

Now the option is correct: “Session Timeout in milliseconds. Default 1,800,000 (30 Mn).

Case 00125561 Adding multiple exhibited capabilities to a transformation stage fails

Fixed: adding multiple exhibited capabilities to a transformation stage now works.



Case 00125725 Unexpected behavior when connecting an Application-to-Application Deployment Architecture (Cloud Service Catalog)

Behavior is now clean: no latency any more in this case.

Case 00125216 Unexpected shape when drag and drop of Org-unit to Diagram

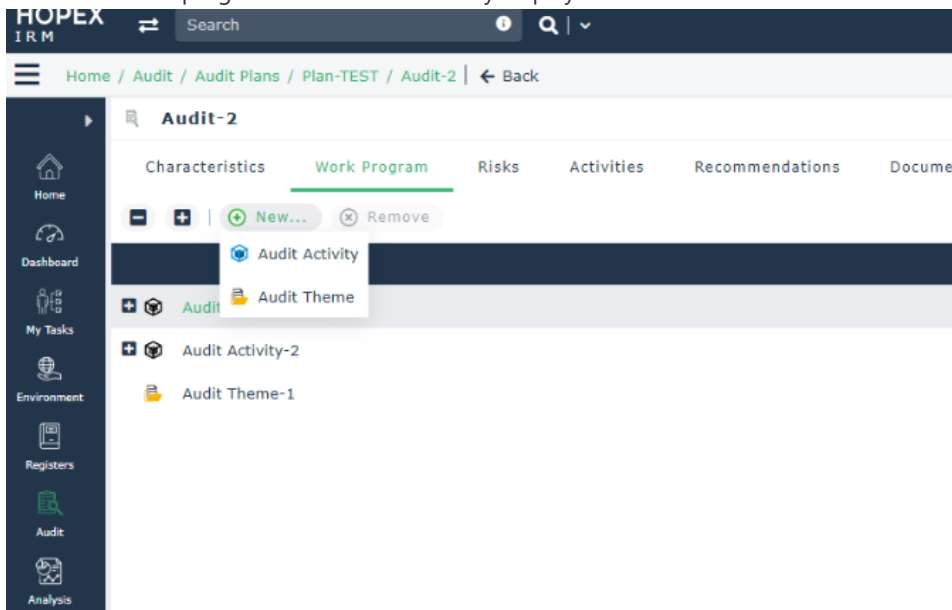
Correct shape is now used and displayed after drag&drop of Org-unit to diagram.

Case 00125622 Change regarding DiagramTypeObject is not taken into account (compiled Metamodel)

Changes done by a Customizer (HOPEX profile) are now taken into account (including the "diagram type").

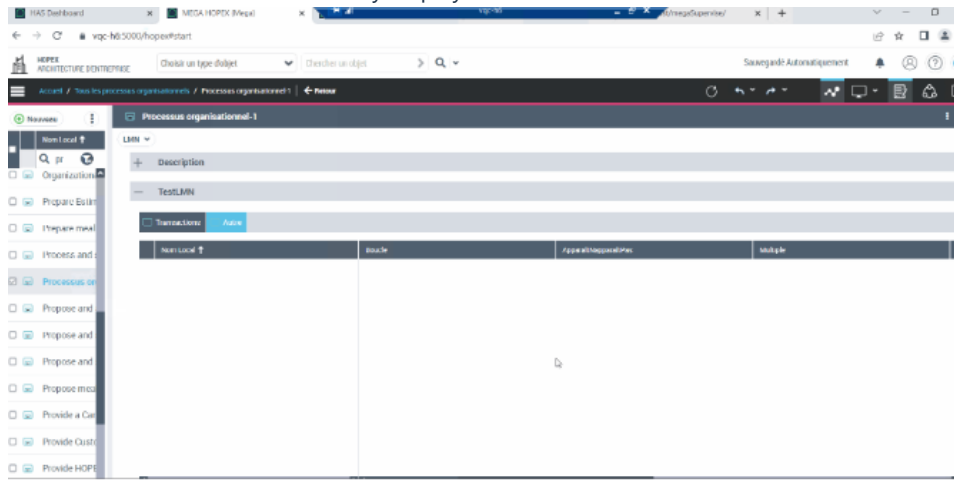
Case 00127337 Cannot populate Work Program of an Audit (Lead Auditor)

Fixed: the "work program" tab is now correctly displayed.



Case 00127364 Unexpected display issue with MetaPropertyPage

Fixed: all columns are now correctly displayed in tabs.

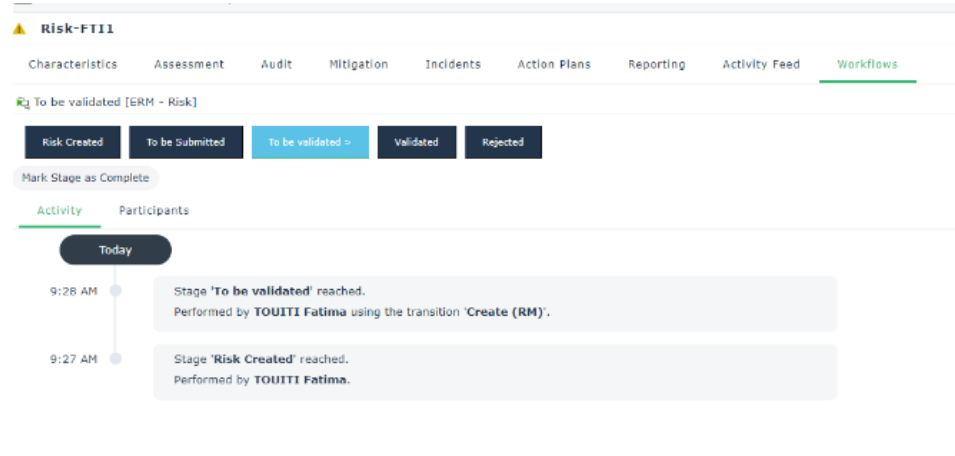


Case 00126669 & Case 00127248 Error with specific drawing 'Scenario of Application System Flows'

Fixed: objects can be moved in a diagram (edit mode) without error.

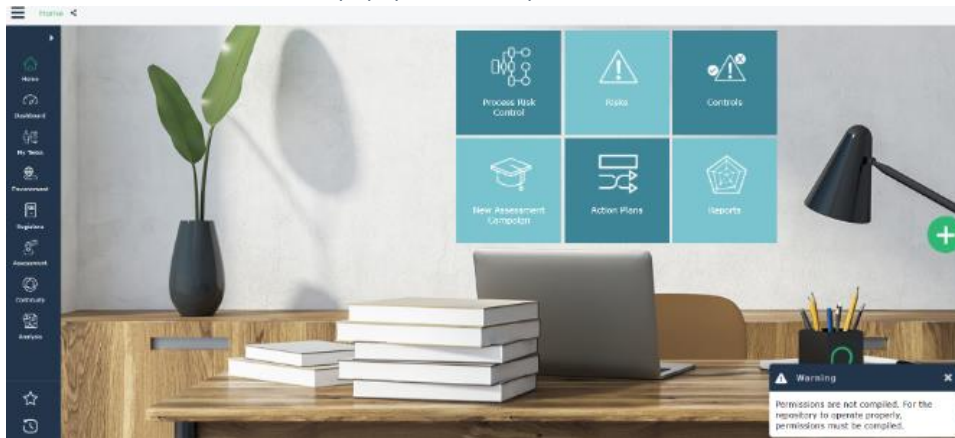
Case 00128021 Incorrect wizard execution (if a session timeout occurs)

Fixed: the wizard correctly works even if a session timeout occurs.



Case 00128262 'Activate notification popup window' is not taken into account

Fixed: the "activate notification popup window" option is now taken into account.

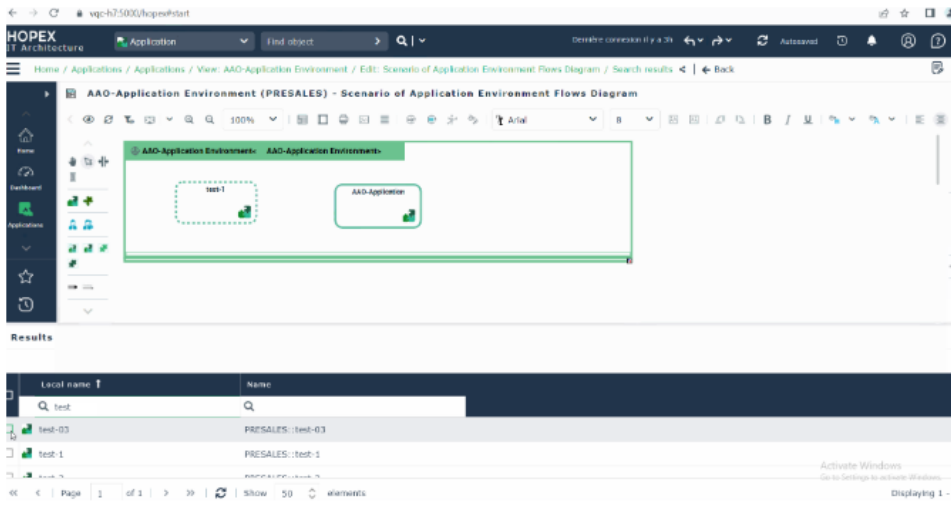


Case 00128506 Serious error when opening diagram (large diagram, session is terminated)

A user can now open a large diagram without the "session time out" error.

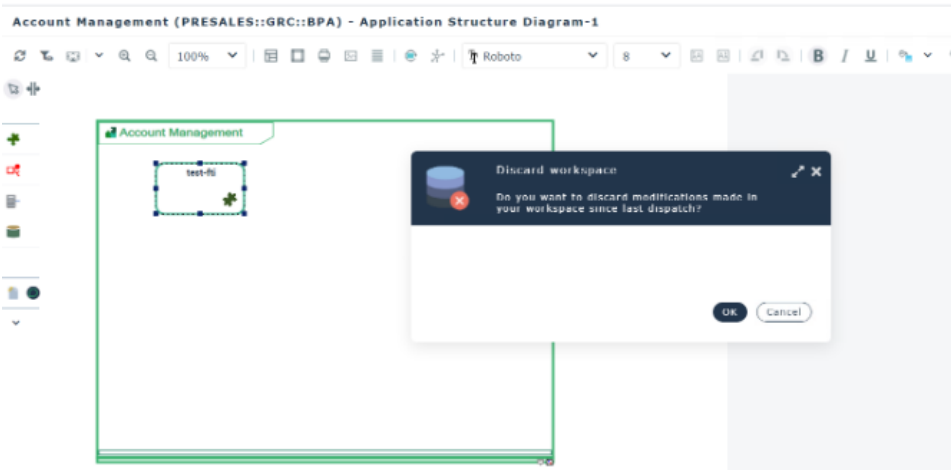
Case 00128717 Drag and drop Functionality from search result list to Application Environment Diagram is not reliable

A user can easily “drag&drop” a functionality to a diagram (and several times)



Case 00128937 Unexpected freeze of web session (Discard, profile 'IT Architect')

Fixed: the web session will not freeze any more when creating Application Structure Diagram. Users can now discard private workspaces.

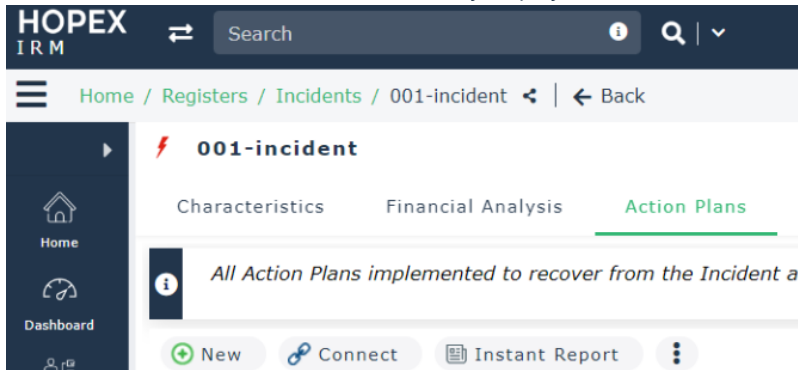


Case 00129210 Progress bar customization is not considered (Web Front-End)

A customized progress bar will be correctly displayed.

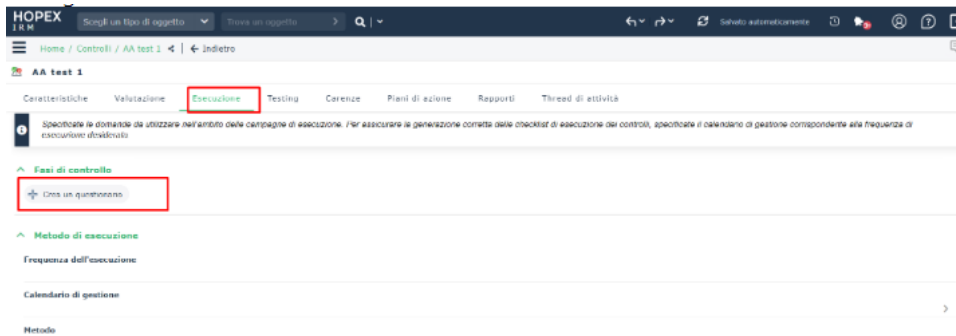
Case 00129972 Incorrect display for breadcrumb

Fixed: breadcrumb in HOPEX will be correctly displayed.

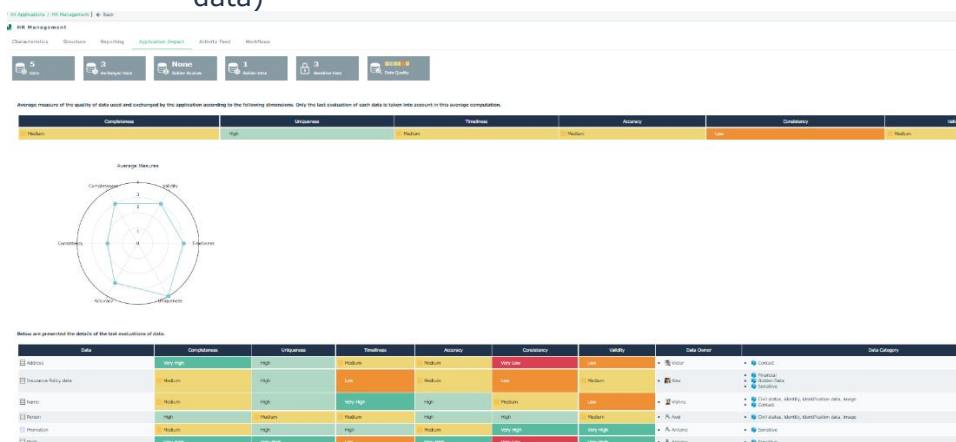


Case 00131371 Cannot create questionnaire from properties of Control

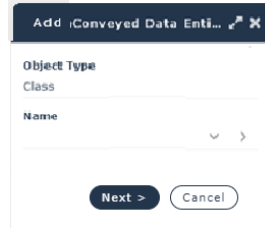
Users can now create questions inside execution questionnaire.



Case 00127885 Error when running report 'Data Quality' for Application (specific data)



Case 00118703 ²Missing types when setting 'Information used' in Content properties



Now the button behavior is as follows:

when you select a MetaClass from which you can create and link occurrences:

- if the Name is empty or is not the name of an already existing element, the button at the bottom is "Next>", to allow the creation of a new occurrence of the Object type.



- if the Name is the name of an existing occurrence (or one has been selected from the drop-down list), the button is "add".



when you select an Object type of which you can only link the existing occurrences the button at the bottom is always "add".

- if the Name is empty or is not the name of an already existing element, the button is grayed out.



- if the Name is the name of an existing occurrence (or one has been selected from the drop-down list), the button is activated.



Known issue: if an occurrence is selected in an Object type and the Object type is changed, the selected occurrence (and therefore of a type different from the newly selected Object type) is considered as a valid occurrence. You should empty the name field each time you change Object type

2.4. Deprecated & Removed features

2.4.1. Collaborative Workspace

The collaborative workspace feature is removed from HOPEX V5 CP5.

Before upgrading to HOPEX V5CP5 or upper, it is mandatory to dispatch or abort all existing collaborative workspace.

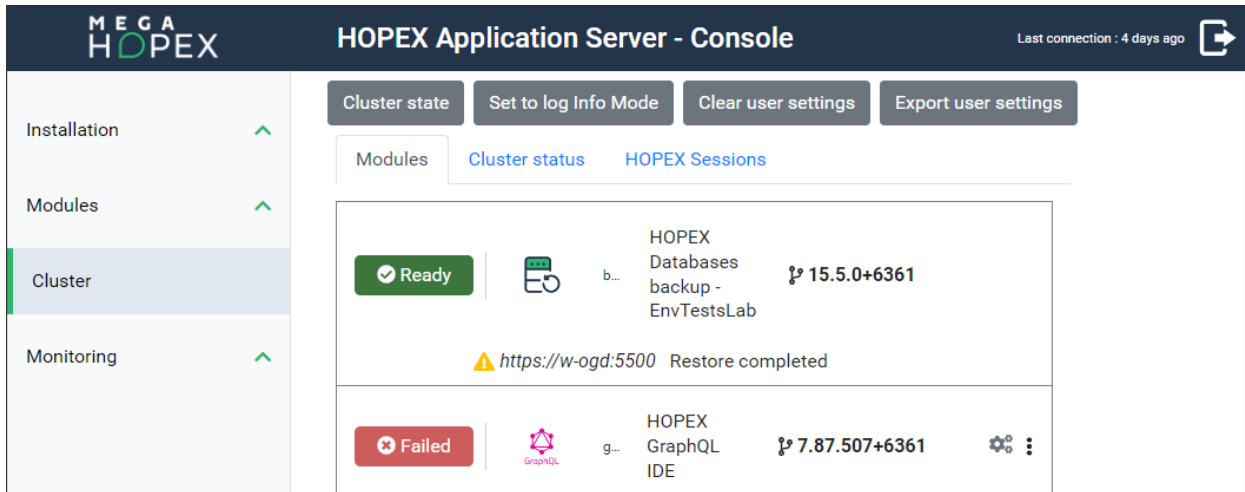
An improved version of this feature may be available in a in future version.

3. HOPEX Application Server (HAS)

3.1. What’s new?

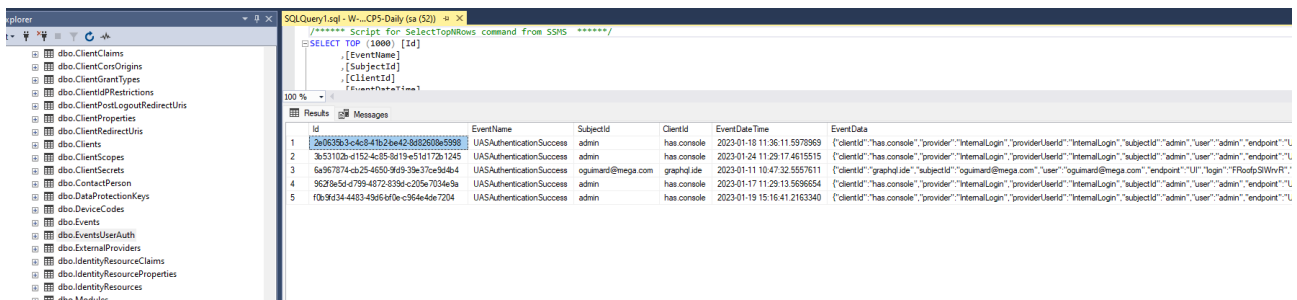
3.1.1. Last connection information

The HAS Console and UAS page contain information about the last connection date of the Admin user.



3.1.2. Login/logout information

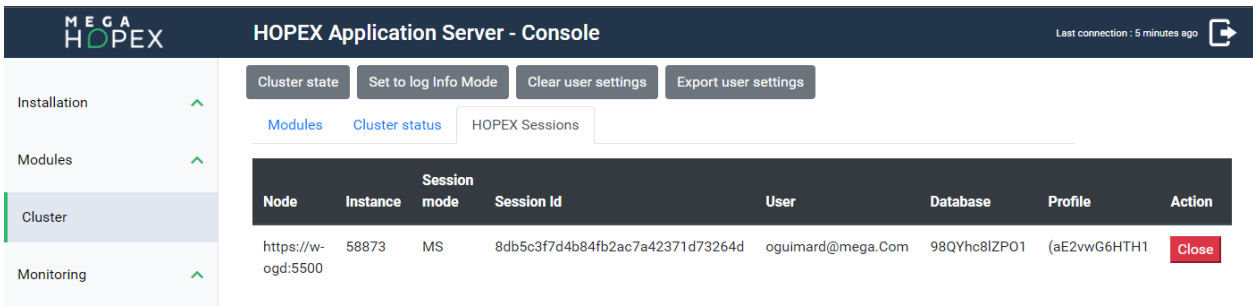
A new table “EventsUserAuth” is added to the HAS database where the login/logout information of a user is stored and kept for one year.



This table can be used to produce reporting on login/logout activities.

3.1.3. Close sessions from HAS Console

It is now possible to view active sessions and explicitly close one from the HAS Console. The user connected to this session will be prompted to reopen the session closed: they will not be disconnected.



3.1.4. New Admin REST APIs

The documentation on REST API for admin user has been updated and can be found here: <https://www.postman.com/mega-international>

New REST APIs:

- Upload/Download of a module: enables admin users to script update.
- Last Connection date: to query a given user or a given module in the history of connections.
- EasyUpdate: to enable the ease update from the Web rather than from Administration.Exe.
- Upgrade Instance: to remotely perform update of a cluster instance.

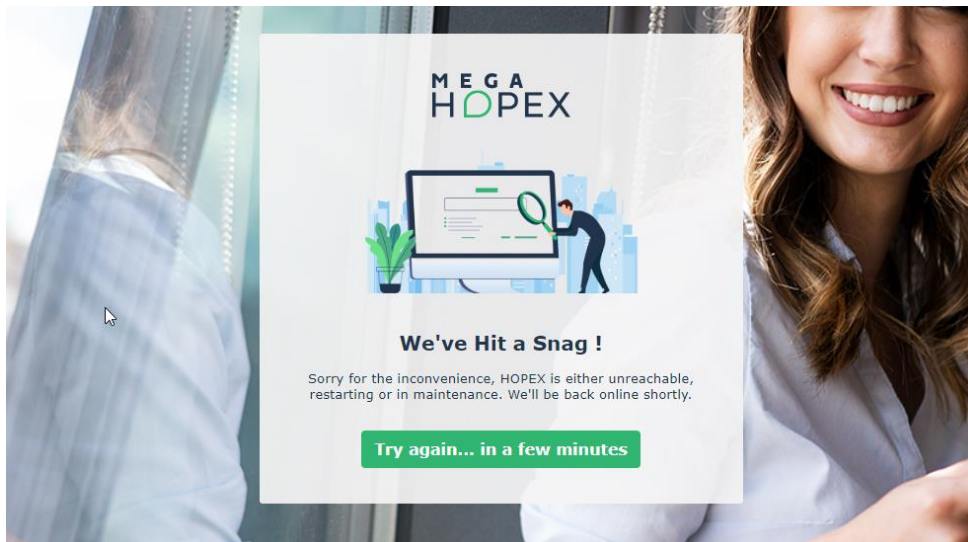
3.1.5. New Supervisor module

This module allows to expose REST API to access log files for security purposes.

3.2. Changes

3.2.1. Error page improvement

- IIS Error page has been updated to reflect the different use cases.



3.3. Fixes

3.3.1. Security fixes

- Due to security fix, you must update .net Core hosting bundle to **6.0.10 minimum**.
- Update of various libraries such as JQuery, Bootsrap to be compliant with security audit.

3.3.2. Stability fixes

- Fix unexpected Crash causing lost connection for all users and restart in the middle of the day.
- Fix increasing HAS database size due to Authentication event improperly clean.
- Improve robustness of process in job processing.

3.4. Known issues

3.4.1. HAS Instance manager corrupt settings.cfg

When editing an Instance with HAS Instance Manager, the settings.cfg file get corrupted. Make sure to backup settings.cfg to revert if the case occurs.

3.5. Removed and Deprecated features

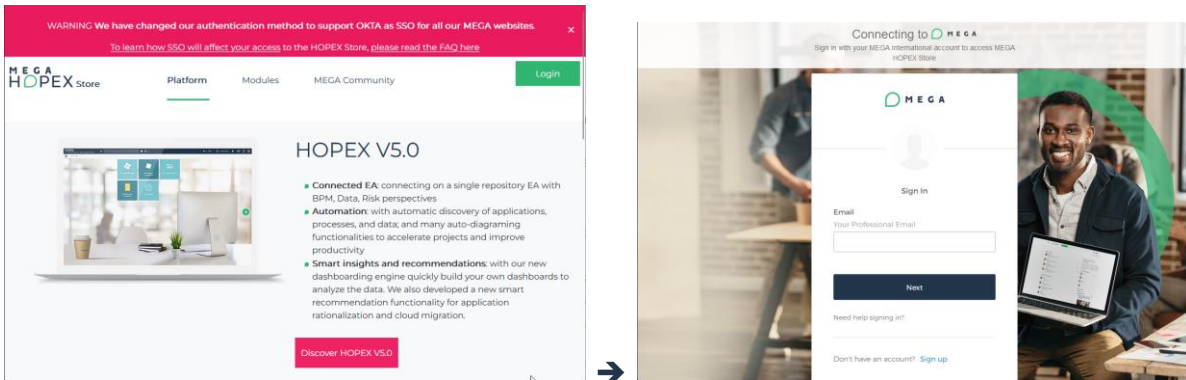
Nothing to share in this section.

4. MEGA HOPEX Store

4.1. What's new?

4.1.1. OKTA Authentication

To connect to HOPEX Store, the user must go through OKTA centralized MEGA authentication system.



4.2. Changes

Nothing to share in this section.

4.3. Fixes

4.3.1. Security fixes

- Update various libraries such as JQuery, Bootstrap to be compliant with security audit.

4.4. Known issues

Nothing to share in this section.

4.5. Removed and Deprecated features

Nothing to share in this section.

5. HOPEX for the ArchiMate® Framework

5.1. What’s new?

Nothing to share in this section.

5.2. Changes

ArchiMate additional Viewpoints

“Missing” viewpoint samples have been added

ArchiMate: preload the 'ArchiMate V3' diagram type when launching the HAM desktop with HAM profiles

This will preload the ArchiMate diagram type when loading the HAM desktop, in order to avoid the overhead when opening / creating the first diagram.

This speeds up the creation of the first diagram by the end user, therefore improving its user experience.

Switch the ArchiMate Desktop into multisession

This will improve performance and Server resources usage.

5.3. Fixes

Nothing to share in this section.

5.4. Known issues

Nothing to share in this section.

5.5. Removed and Deprecated features

Nothing to share in this section.

6. HOPEX Business Process Analysis

6.1. What’s new?

Nothing to share in this section.

6.2. Changes

Case 00128518 Enable option 'Management of RACI in BPMN' by default in HOPEX V5.0

The RACI option has been deactivated by default since HOPEX V4; this was also causing the operation / org-unit link not being populated when linking the operation to a participant assigned to an org-unit (so that only the operation > participant > org-unit links existed)

The option has been re-activated by default for BPA profiles to avoid missing data

Note: a macro is available to restore the operation / org-unit link if needed.

Activate the "snapshot" mode on for BPA report templates chapters

The Report Template Chapters “snapshot” mode has been activated by default for all BPA Report Templates.

Take into account a number of objects / links threshold beyond which the diagram refresh is blocked in tabular entry

A new user option defines a default threshold for number of objects or links in a diagram, beyond which the diagram automated drawing is blocked in the tabular entry.

Deactivate the 'Horizontal/Vertical Diagram' when number of objects / links threshold is reached in tabular entry

The diagram orientation reorganization (switch from horizontal display to vertical display) is disabled when number of objects or links on the diagram is beyond the defined threshold.

BPA org process review workflow - remove the 'process manager' profile from 'process functional admin' participant

Since the reduction of the number of BPA profiles in HOPEX V4, the 'Process Manager' is the normal profile for BPA, accessing all functionalities; However, super-user grants like being able to Archive a Process by advancing the validation workflow up to the 'closed' final state should only be possible for the 'Process functional Administrator' profile.

This change therefore restricts the possible transitions for the Process Manager Profile in the standard validation workflow.

Data objects: remove the 'disconnect' button for data objects in sequence flows properties

Connect / Disconnect buttons were available by mistake in the sequence flow properties. This could lead to faulty data since Data objects are not reusable.

Data objects repair script update for wrongly reused Data objects

This is related to the “connect / disconnect of data objects in sequence flow properties” bug above; when Data Objects were wrongly reused across various processes, unexpected behavior may occur when deleting objects.

The macro “Fix Data Object Ownership” is provided to fix the repository data.

If running the following query “Select [Data Object] where [Sequence Flow] having count > 1” returns results, then the macro should be run to clean up the data.

Improvement of the query 'View External Processes From Event (Previous and Next)' to fetch processes beyond one object hop

The query listing the previous / next processes in the BPMN event shape in process diagrams was fetching processes at the distance of one sequence flow, so was not retrieving processes further away (e.g. beyond one intermediate gateway). The query has been enhanced to fetch processes at several hops of distances (e.g. across several gateways)

Pre-load most common diagram Types setup when launching desktop for BPA profiles

This will preload the most common diagram types (process diagrams, org-chart, customer journey diagram) when loading the BPA desktop to avoid the overhead when opening/creating the first diagram of these diagram types.

This speeds up the creation of the first diagram by the end user, therefore improving its user experience.

Process Simulation: the "ignore description" option is replaced by "simulate all levels"

The option “ignore description” which was available on each process task with called process / subprocess is now replaced by a global option “simulate all levels” for the whole simulation scenario.

This new option will include all sub-processes / called processes description to be considered in the simulation scenario (in a “all or nothing” way); when activated, the process tasks list is replaced by a tree view.

Process Simulation: various improvements regarding simulation results

Simulation results were improved further in some specific cases; for instance, the 24/24 case is now available by not defining any schedule for process resources or regarding the input flow.

6.3. Fixes

Case 00124539 Unexpected display of Sequence Flow (specific scenario)

When inserting a new event in a sequence flow and cancelling the event creation in the event creation wizard, the sequence flow is greyed out.

Case 00125215 Unexpected naming when adding System Used for Application (drag and drop)

When dragging and dropping an application in an Org Process Diagram, the System Used name is different from when inserting an Application Used from the diagram toolbar.

Case 00127457 Improve edition of the status column in the list of 'All Organizational Processes' accessible via desktop tile

The status column in the ‘All Organizational Processes’ list view cannot be modified as in the property page (when no workflow instance has been created); this is now possible.

Case 00128442 No mail is sent when validating Organizational Process (Workflow Transition 'Approve', profile 'Process Manager'))
The transition was only sending an in-app notification and not an email; email notification was added.

Case 00128271 Unexpected behavior when duplicating an Organizational Process in hierarchy view
The duplication of an Org Process does not propagate the link to the parent Business Process, so that when duplicating a process from a tree view, the duplicate object does not appear in the hierarchy; the propagation has been added.

Case 00129301 Two workflow tabs displayed in Risk properties
Two workflow tabs appear in the Risk property page.

6.4. Known issues

Case 00126309 Cannot add a Review Note for a Business Process or Organizational Process in list views
In the BPA desktop, In the Business Processes or Org Processes list views, a review note cannot be added when clicking on the review note button on the right-hand side from the list view. It does work however when clicking on the button when the property page is opened or when a review note already exists for the object.

Case 00126949 Cannot align Participants in separate pools
Participants in separate pools in a process diagram cannot be aligned left (for instance) using the alignment control buttons on the right-hand toolbar

Case 00128597 Unexpected display for Process Hierarchy tree (scroll down)
When scrolling down an un-collapsed process hierarchy tree, a blank page is displayed.

Tabular Diagram - auto sequencing limitations when connecting high number of org processes in a business process diagram

From a Business Process diagram tabular entry, when connecting multiple org process at once using the "connect" button, the automatically created sequence flows give an unexpected result.

Tabular Diagram - System-Used name for Tabular Diagramming is not the same as in Diagram editor

In the diagram editor, the sequence flow has no local name though in tabular entry, it has the 'system used' local name on top of the assigned object (e.g. application) name

6.5. Removed and Deprecated features

Nothing to share in this section.

7. HOPEX Information Architecture

7.1. What’s new?

Nothing to share in this section.

7.2. Changes

7.2.1. Business Glossary Search Enhancement

See same chapter about Data Governance Solution below.

7.3. Fixes

Case 00123916 Error when generating DDL (DB2 OS 390 V10)
SQL code generation error of_a table on HOPEX V5 CP3.

Case 00128737 Unexpected display in wizard 'Adding Concept' (composition, field 'Object Type' displaying an ID)
Hopex V5/Modernia - Incorrect word in the type of object by adding a concept

Case 00125027 Unexpected display if View editor is not maximized
Data View creation in V5

Case 00127522 keep the "Concept Template" template only in the "DGov" and "INFA" solutions.
User sees irrelevant excel import templates

7.4. Known issues

Nothing to share in this section.

7.5. Removed and deprecated features

Nothing to share in this section.

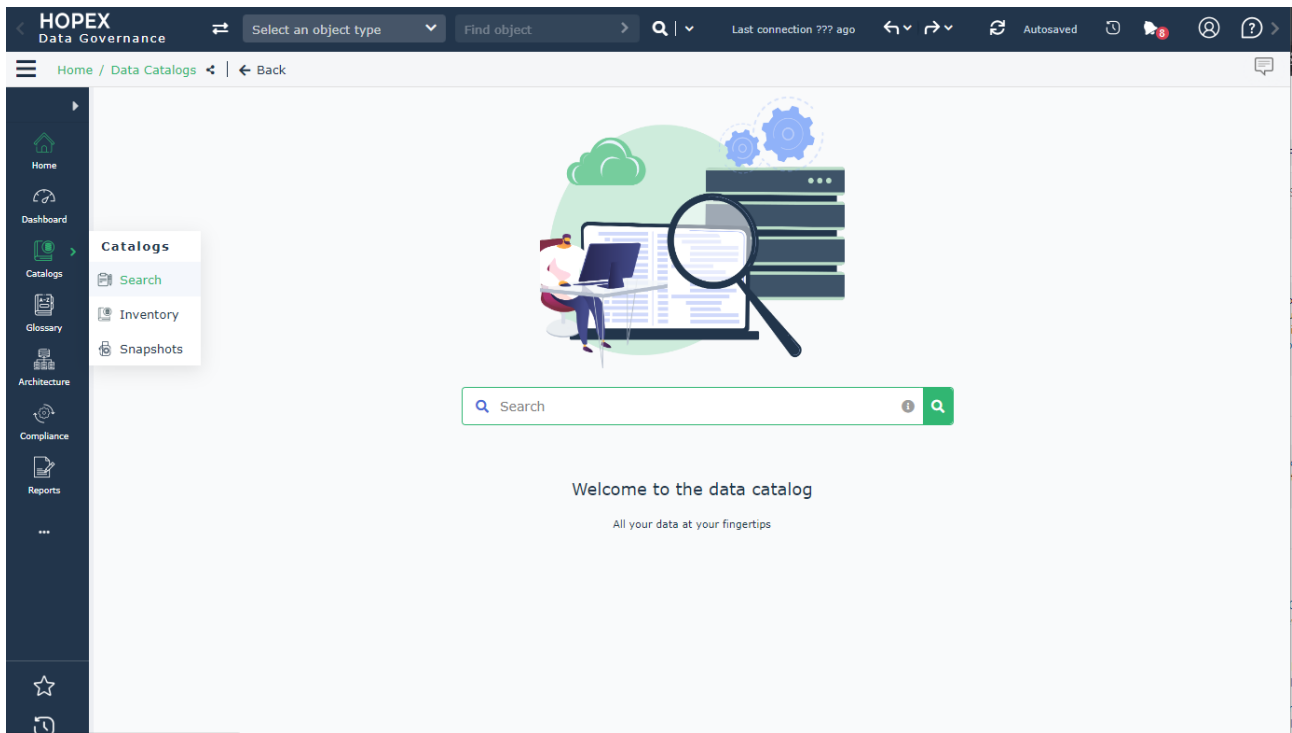
8. HOPEX Data Governance

8.1. What’s new?

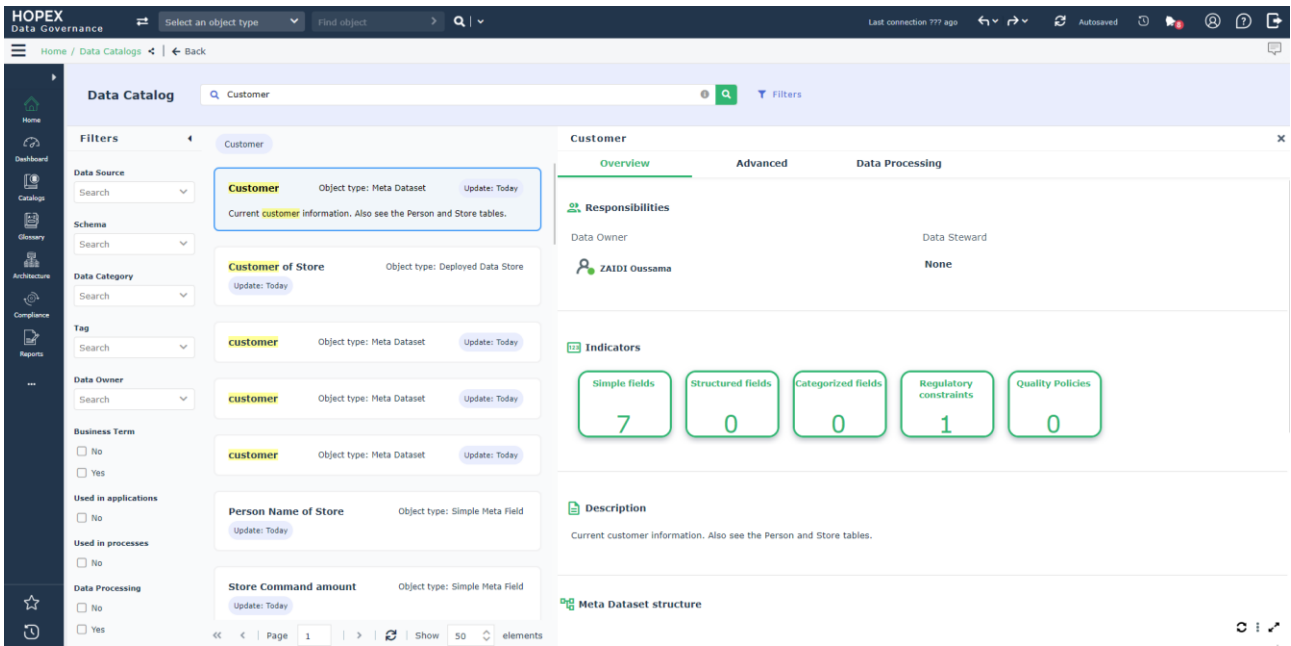
8.1.1. Data Catalog Search

A new tool is provided to search for metadata in the data catalogs of the HOPEX repository. It is accessible from the Data catalog -> Search menu and from the Data Catalog tile on the desktop.

This tool searches for a character string in the Name and Description of metadata object.



The list of metadata concerned are meta datasets, simple and structured meta fields, schemas, and deployed data stores.



The tool provides filters that allow to refine the search criteria such as links with the business glossary, use in applications or processes, and whether metadata is subject to Data processing.

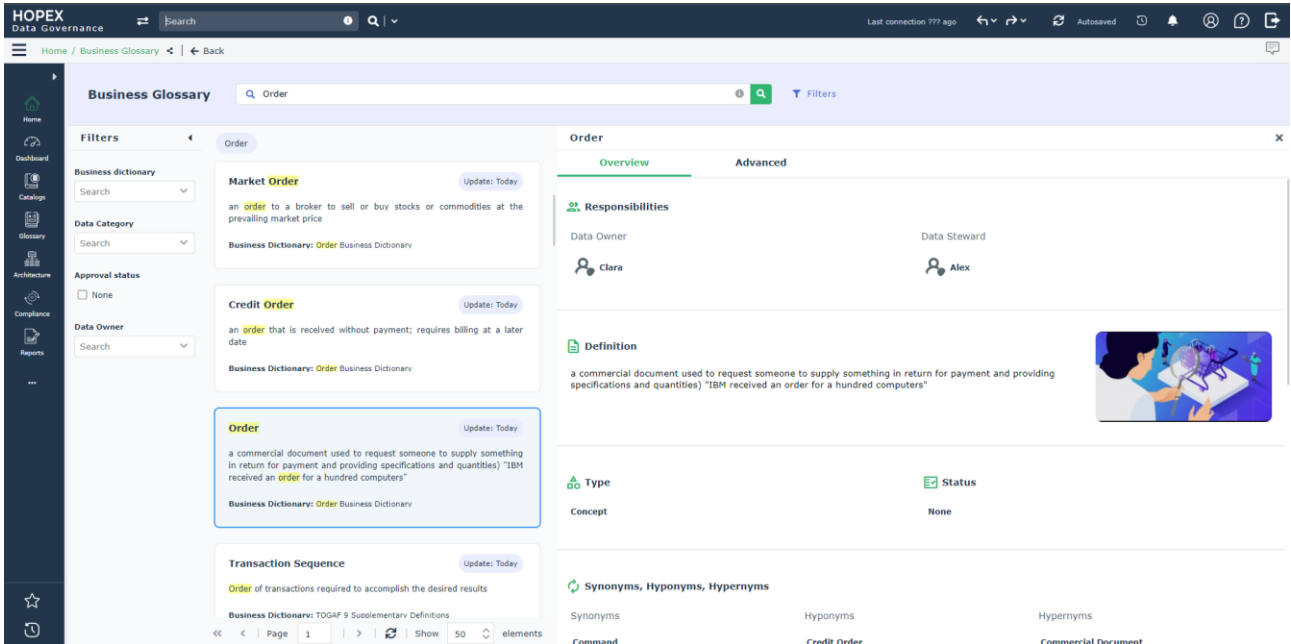
Filters can be hidden if needed. Metadata results are displayed in cards with their name, description, and type. When a result object is selected, further information is displayed in the "Overview", "Advanced" and "Data Processing" panels:

- The "Overview" panel displays the name of the responsible owner and the data steward of the object. Depending on the type of object, it provides indicators on the description of the object and its governance in terms of quality and compliance.
- The "Advanced" panel displays information on other managers, the use of the metadata as well as its governance in terms of Data Quality and regulatory compliance.

The "Data Processing" panel displays a dendrogram report of details of physical data processing scanned and imported from Manta in Data Governance solution.

8.2. Changes

8.2.1. Business Glossary Search Enhancement



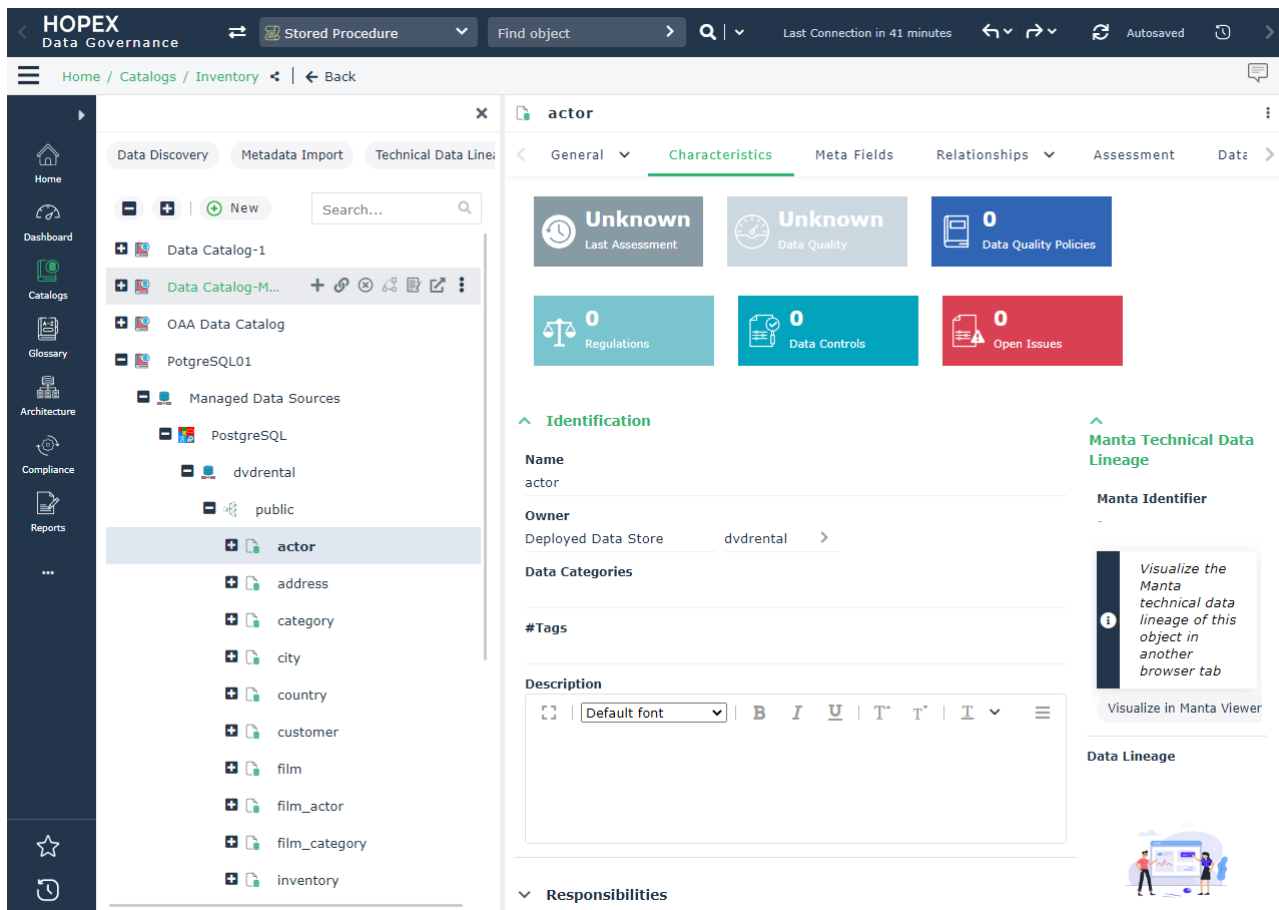
8.2.2. User Interface Enhancement

8.2.2.1. Data Catalog menu

The Data catalog menu now presents a search submenu and separate inventory and snapshot submenus.

8.2.2.2. Data Catalog Inventory

Navigation in the inventory of data catalogs is done hierarchically without a right treelist view which helps to preserve the context of the navigation on the metadata.



8.2.2.3. Properties pages enhancement

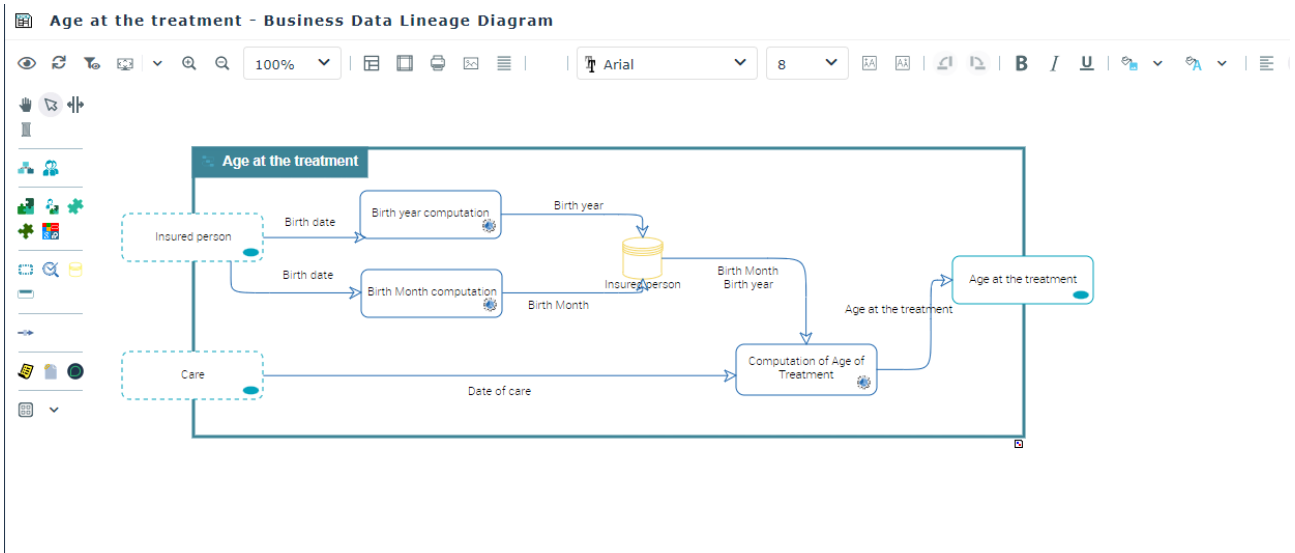
- Simplified and reorganized **stored procedure** property pages.
- Merge of the two "Administration" pages of the following objects type
 - o Applications Components
 - o Applications system components
 - o Concept Domain Map from Data Catalog
 - o Data Lineage participants & nodes
 - o Enterprise

8.2.3. Business Data Lineage

The business data lineage diagram has been revised. From now on it will be necessary to use a new node which refers to the "Concept Property Rule" to describe Data treatment instead of Data processing.

The "Data processing node" and its links are deprecated and put in a specific diagram view for compatibility.

The "Data Quality Control" node is not yet operational in this new revision.



8.2.4. Others

- The list of Business Roles is changed on "Meta dataset" and "Meta data view" objects. The list is (Data owner, Data Steward, Technical Data Steward, Data Scientist and Data Manager).

8.3. Fixes

>>> see same chapter of Information Architecture Solution.

8.4. Known issues

8.4.1. Logical Data Lineage

In Logical Data Lineage Diagram the link of Data Flow is not working.

8.5. Removed and Deprecated features

8.5.1. Business Data Lineage

"Data Processing node", "Origin Data Flow", "Transition Edge" and "Result Flow" are deprecated in Business Data Lineage level. They still exist only for compatibility.

- ⇒ In Business Data Lineage Diagram, use Concept Processing instead of "Data Processing". Flows can be described by using "Data flow".

9. HOPEX IRM

9.1. What's new?

9.1.1. Business Continuity Management

9.1.1.1. Added BCM indicators

New BCM indicators have been added to the BIA.

Check the on-line documentation for more details:

[HOPEX BCM > Defining a Business Impact Analysis > Modifying the BIA Results¹](#).

9.1.1.2. New link between Business Continuity Impact Analysis and BIA results

A new link between BIA and Downtime period has been created to store the actual RTO. Reports displaying this value have been updated accordingly.

Refer to chapter [Data Conversion](#) for details.

9.1.2. Questionnaire Builder and Renderer

9.1.2.1. Icons for Drop-down question type

It is now possible to assign icons to answers for drop-down questions in questionnaires. Standard templates have been updated accordingly.

9.1.2.2. Tabular renderer

A new renderer for questionnaires has been created to display all the Assessment Nodes within a list view and allow multiple assessment.

It can be used setting to "Tabular Renderer" the "Questionnaire Renderer" new attribute on the Questionnaire Template.

Check the on-line documentation for more details:

[Common Features > Managing Assessments > Managing Questionnaire Templates > FAQ and Tips > How to display a questionnaire in the form of a table?²](#).

¹ To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

² To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

9.1.3. Assessment Template Improvements

9.1.3.1. Assessment Mode improvement

The Assessment Mode attribute on the Assessment Template has been extended with 2 new values to define:

- templates created for Control Execution
- inactive templates.

9.1.4. Continuous Control Execution Implementation

Control Execution has been enhanced to generate a sample from the population of subjects to execute.

Check the on-line documentation for more details:

[HOPEX IRM > HOPEX Internal Control > Executing controls](#)³.

9.1.4.1. New Attributes

New attributes have been created on the Control MetaClass:

- Total Population Size - Positive Integer
- Sample size (%) - Percentage
- Compliance rate threshold - Percentage
- Latest Execution date - Date, updated by macro, read-only for the user
- Latest Compliance rate - Percentage, updated by Control Execution macro, read-only for the user
- Latest Completion rate - Percentage, updated by Control Execution macro, read-only for the user
- Latest N/A Percentage - Percentage, updated by Control Execution macro, read-only for the user, hidden
- Latest Control Execution Result - Enumeration, computed by macro, read-only for the user. Possible values:
 - o Compliant - Green
 - o Not Compliant - Red
 - o N/A - Yellow

Computation Logic:

³ To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

- If Latest N/A Percentage = 100% --> N/A
- If Latest Compliance rate >= Compliance rate threshold --> Compliant
- Otherwise: Not Compliant

9.1.4.2. New Question Type in Questionnaire Builder

A new Question Type has been created in Questionnaire Builder to allow Continuous Control Execution aggregation: OK,KO,N/A.

9.1.4.3. New Assessment Template for Continuous Control Execution

A new Assessment Template has been created to generate Samples in Continuous Control Execution.

9.1.4.4. Review of the Execution Property Page

The Execution property page has been reviewed to show the new Continuous Control Execution results and historical data.

9.1.4.5. Replacement of IRM Execution Rate in all Control Lists

IRM Execution Rate has been replaced in all the Control Lists with the Latest Compliance rate and the Latest Control Execution Result.

9.1.5. Wizards and Property Pages

9.1.5.1. Possibility to delete Assessment nodes

The IRM Functional Administrator is now able to delete Assessment Nodes from the assessed object properties.

9.1.6. Reporting

9.1.6.1. New TreeSet and Dendrogram for BIAs

A new report template

- Name: BCM - BIA Impacts (Dendrogram)
- _GUI Name BIA Impacts (Dendrogram)

has been created from a TreeSet

- BCM - BIA Impacts TreeSet.

Check the on-line documentation for more details:

[HOPEX BCM > Defining a Business Impact Analysis > Viewing the BIA Impact Report⁴](#)

9.1.6.2. New Dataset and Table for BCM Systems

A new report template

- Name: BCM - BCM System results and impacts (Table)
- GUI Name: BCM System results and impacts (Table)

has been created from a DataSet

- Name: BCM - BCM System and BIA Overview
- GUI Name: BCM System and BIA Overview.

Check the on-line documentation for more details:

[HOPEX BCM > Managing BCM Systems > Monitoring the Business Continuity Management System > Generating a BCM System Report⁵](#).

9.1.6.3. New TreeSet and Break-down for Risk Types

A new report template

- Name: IRM - Risk Type Impact analysis (Breakdown)
- GUI Name: Risk Type Impact analysis (Breakdown)

has been created from a TreeSet

- Name: IRM - Risk Type Tree Overview
- GUI Name: Risk Type Tree Overview.

Check the on-line documentation for more details:

[HOPEX IRM > HOPEX IRM Common Features > Managing your IRM Environment > Risk Environment > Analyzing the impacts of a risk type⁶](#).

9.2. Changes

9.2.1. Business Continuity Management

9.2.1.1. Multiple BIA assignment

It is now possible to assign multiple BIAs to the same responsible user.

Check the on-line documentation for more details:

⁴ To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

⁵ To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

⁶ To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

[HOPEX BCM > Defining a Business Impact Analysis > Performing a BIA \(Business Impact Analysis\) > Assigning several BIAs to one responsible user](#)⁷.

9.2.2. Assessment Template Improvements

9.2.2.1. External Org-Units added to Assessment Templates

It is now possible to select external org-units as contexts for assessment templates.

9.2.3. Workflows

9.2.3.1. Audit Activity workflow: Update status Action

The "Update status" Action has been added to Functional Administrator transitions.

9.2.4. Internal Audit

9.2.4.1. Spanish only: Notification Letter and Audit report have been translated

Those 2 Word Document Templates have been translated into Spanish and the cover page aligned to the new format.

9.2.5. Wizards and Property Pages

9.2.5.1. Risk and Control direct assessment wizard

The Wizard to select template and scope of direct assessment has been simplified.

9.2.5.2. Assessment Templates are now sortable

The order in which Assessment Templates are displayed is now defined according to the order of Assessment Templates on the assessed object MetaClass.

9.2.5.3. Button icons

Icons have been added to text-only buttons in property pages.

9.2.5.4. Assessment Property Page

The Assessment property page has been reviewed and simplified.

⁷ To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

9.2.5.5. Document Category for Business Documents

The document category can now be added in the creation wizard of Business documents.

This information is displayed in all the list views where business documents appear.

9.2.6. Reporting

9.2.6.1. Sessions Statistics

The structure of Assessment Session Statistics and Internal Control – Session Statistics reports has been reviewed.

9.2.6.2. Campaign Summary report has been reviewed

The Campaign Summary Report has been reviewed splitting errors into “Errors” and “Warnings”.

When launching an Execution Campaign specific columns have been added.

Check the on-line documentation for more details:

[HOPEX IRM > HOPEX Internal Control > Executing controls > Creating Execution Campaigns > Displaying the Execution Campaign Summary](#)⁸.

9.2.6.3. Gantt report renderer updated

Gantt reports used in IRM have been updated to the latest renderer and icons have been added:

- ~XKdDYGK3GT8B[Assign Auditors Report]
- ~TZUEk(3NG1m8[GRC - Gantt Report].

9.2.6.4. BCM - BIA Impacts (Dendrogram) Added in Property page

BCM - BIA Impacts (Dendrogram) has been added to the Reporting property page of a Business Continuity Impact Analysis.

9.2.7. Menu and WET

9.2.7.1. Testing menu has been reviewed

The Test menu in the navigation menu has been reorganized.

9.2.7.2. BCM Menus and Tiles

BCM navigation menus and tiles have been improved for both IRM and BPA users.

⁸ To be able to view the documentation, you must login to the MEGA Community or to HOPEX.

9.2.7.3.Task menu renamed

The “Task” item in the menu has been renamed to “My Tasks” for the IRM Contributor.

9.3. Fixes

Case Number 00129086	<u>Inconsistency between campaign creation transitions and loss of the wizard tool</u> The Campaign Summary Report was not displayed at Campaign creation
Case Number 00128790	<u>Not possible to disconnect under Responsibility for Action Plans</u> It was not possible to remove responsible persons from Action Plans
Case Number 00127960	<u>Display issues with Audit Coverage Report - a technical value is displayed instead of the score</u> Changing multiple times the "By Score" parameter in Audit coverage report displayed every time different translations of the possible values

9.4. Known issues

Nothing to share in this section.

9.5. Removed and Deprecated features

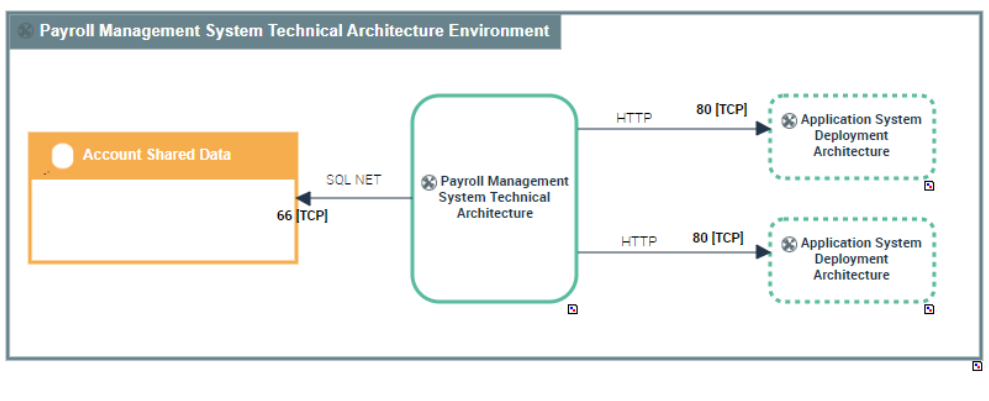
Nothing to share in this section.

10. HOPEX IT Architecture

10.1. What’s new?

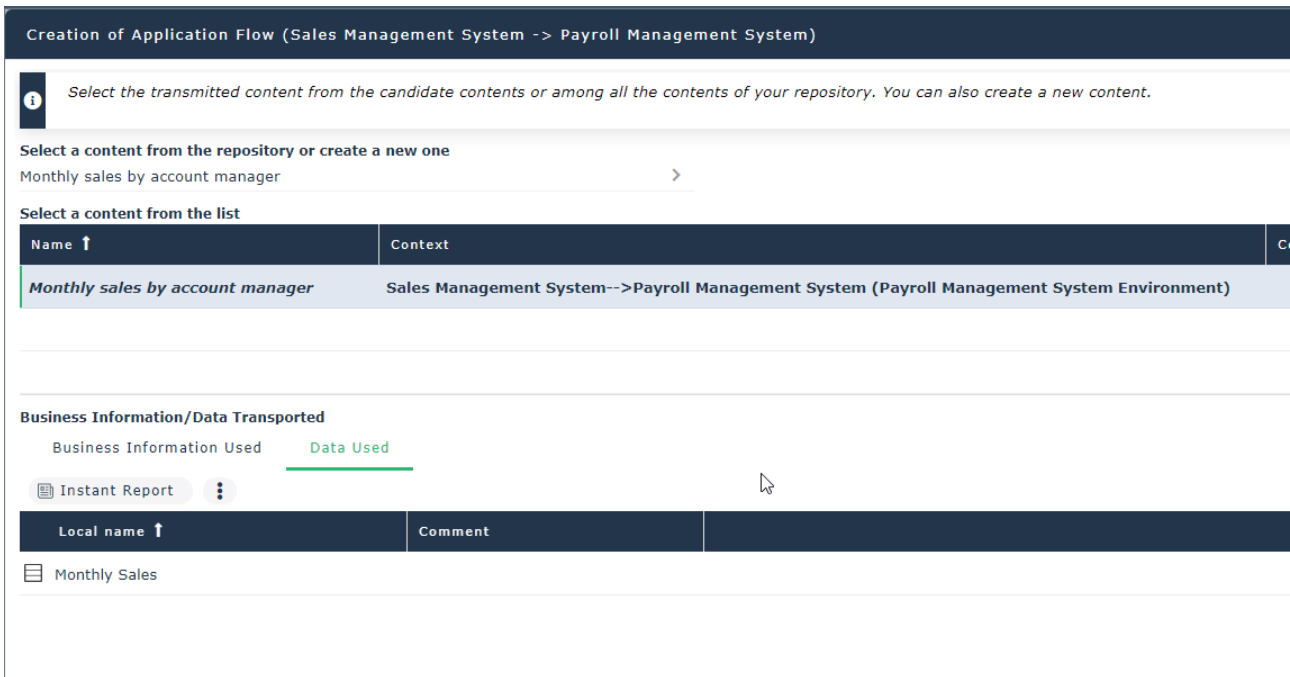
10.1.1. New Diagram: Application System Deployment Environment

It allows to define integration context and dependencies of an Application system Deployment, including shared data server.



10.1.2. Data can be categorized

Data categories can be defined, and Concept, Class or Entity can be categorized, using those defined categories.



10.2.2. Improvement of property pages

Several minor changes/harmonization actions of property pages for Application, Application System, IT Service, Micro-Service, System Process, Content, Data Category, IT Server, Communication Port, Application Deployment Environment, Action and Action Plan.

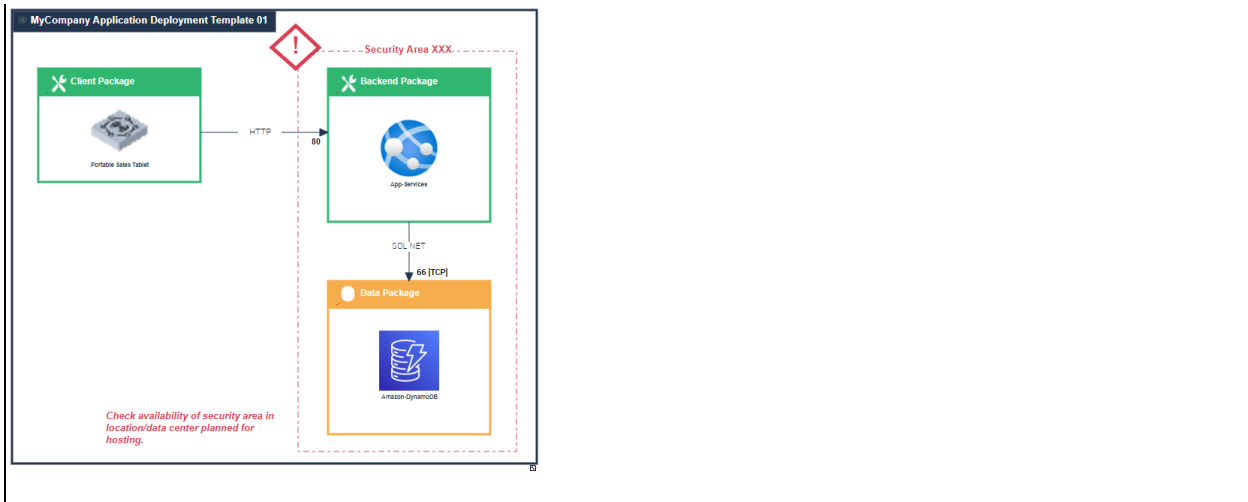
10.2.3. Application Flow as deliverable

Application Flow can now be defined as a deliverable of an EA Project.

10.3. Fixes

10.3.1. Cases

Case 00125952	Informal shapes are not considered in Deployment Architecture Template
	Free shapes in deployment template diagrams are now processed (copied) when creating a new deployment architecture based on a template.



Case 00124921 Application Flow Personalized Qualification doesn't appear in diagram
 Personalized value for qualification of application flow were not displayed in diagrams. It is now displayed as standard values.

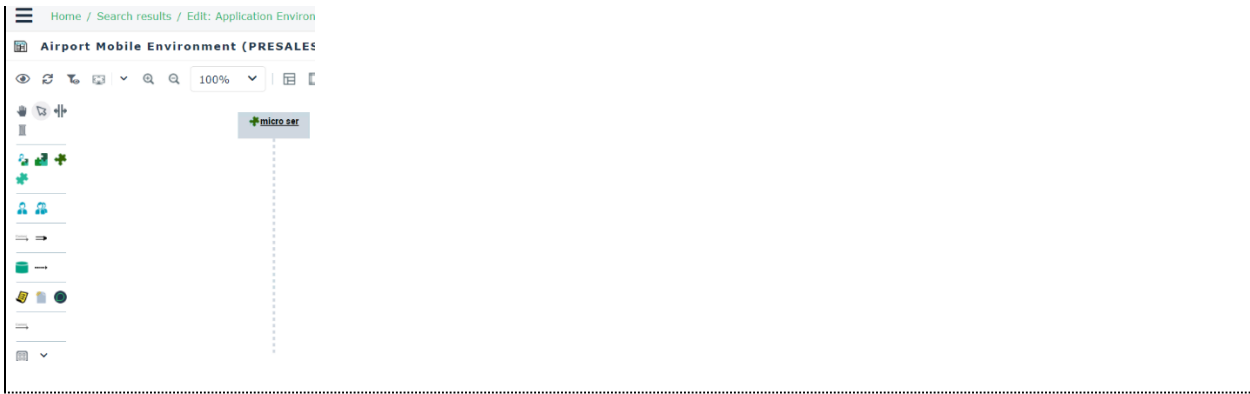
Case 00124285 and 00125953 Possible values for Communication Frequency are not translated
 Communication Frequency values have been translated.

Case 00126458 Error when connecting application in wizard 'Add Deployable System Package'
 Adding a deployable system package did not have the same behavior depending on the way it was done (using drop-down list or connect action). It is now consistent without error.

Case 00126402 "Architecture Description" Report generates an error
 Generating this report produced an error message and the report was empty. It works well now.

Case 00126854 Disappearing flows when duplicating (Scenario of App System Flows)
 When duplicating a Scenario of Application System Flows diagram on an Application System, the "Application Flow Channels" were not properly duplicated in the new diagram. Link between Channel and content is now processed correctly.

Case 00126761 Unexpected shape for 'Micro Service' in Application Environment Scenario Sequence Diagram
 Shape for Micro-Service was not adapted to "Sequence" type diagram ("BPMN" participant shape was expected instead of standard one). The proper shape is now displayed.



Case 00127108 Environment diagram initialization doesn't support incremental mode
 The wizard facilitating environment diagram population was working only the first time (when diagram is empty). A bug was prevented from using it several times in incremental mode. Fix makes the wizard propose to add candidate application flows or interactions which are not already in the current diagram.

Case 00126021 Intellibar does not allow to create Application Flow from Application

Application Flow creation has been added to the intellibar :

Case 00128209 Project Hierarchy is not showing Team Organization

The Project tree did not show the organization responsible for the project but rather its sub-projects. It is now fixed.

10.3.2. Fixes without Case

10.3.2.1. Environment Names

Environment names are automatically built according to rule: ***name of subject*** “–Environment”.

10.3.2.2. "Content consistency (scenario)" report

It has been fixed and shows now all external targets.

10.3.2.3. UML Classes list

It is now possible to modify “isRoot”, “isLeaf”, “Abstract” and “isActive” MetaAttributes of Class in list.

10.4. Known issues

Nothing to share in this section.

10.5. Removed and Deprecated features

Nothing to share in this section.

11. HOPEX ITPM/ITBM

11.1. What’s new?

Nothing to share in this section.

11.2. Changes

Nothing to share in this section.

11.3. Fixes

11.3.1. Cases

Case 00129487 **Incorrect dates for Time periods when initializing Object Life (Application Development Lifecycle)**

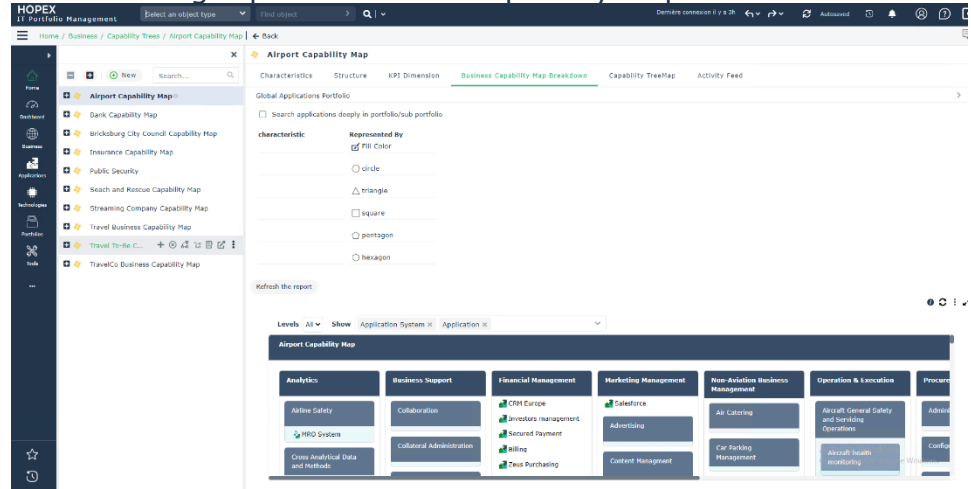
The screenshot displays the 'AAO-App' details page in HOPEX ITPM/ITBM. It features a Gantt chart titled 'Scale step: 2 years' showing the lifecycle phases: Planning, Specification, Development, and Installation. The chart spans from 2020 to 2026. Below the chart, a list of time periods is shown with their respective start and end dates:

Phase	Start Date	End Date
Planning	01/01/2022	01/01/2023
Specification	01/01/2023	01/01/2024
Development	01/01/2024	01/01/2025
Installation	01/01/2025	01/01/2027

Time Periods are now normally generated in the Gantt report when initializing an Application Object Life

Case 00128649

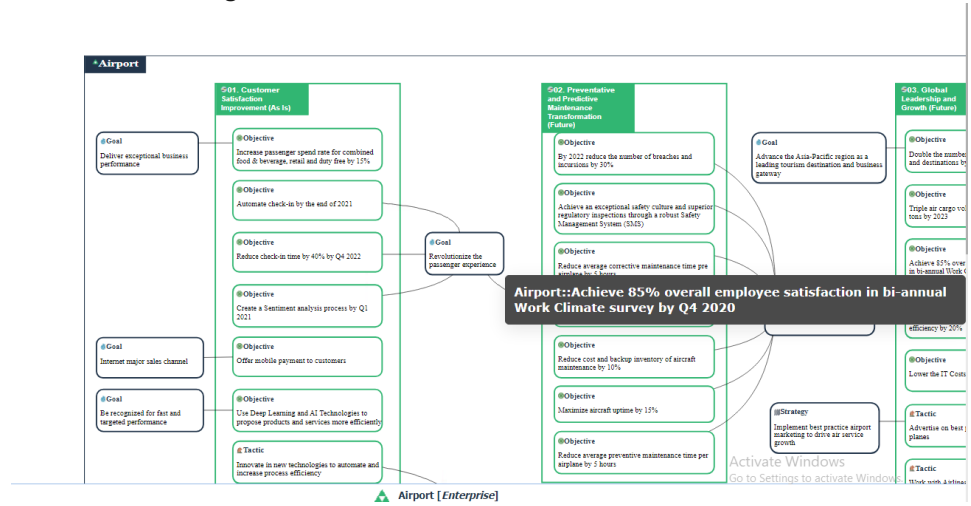
Error running report 'Business Capability Map Breakdown'



The Business Capability Map Breakdown reports now run smoothly even if the attribute “technology obsolescence” is selected in its parameters.

Case 00126362

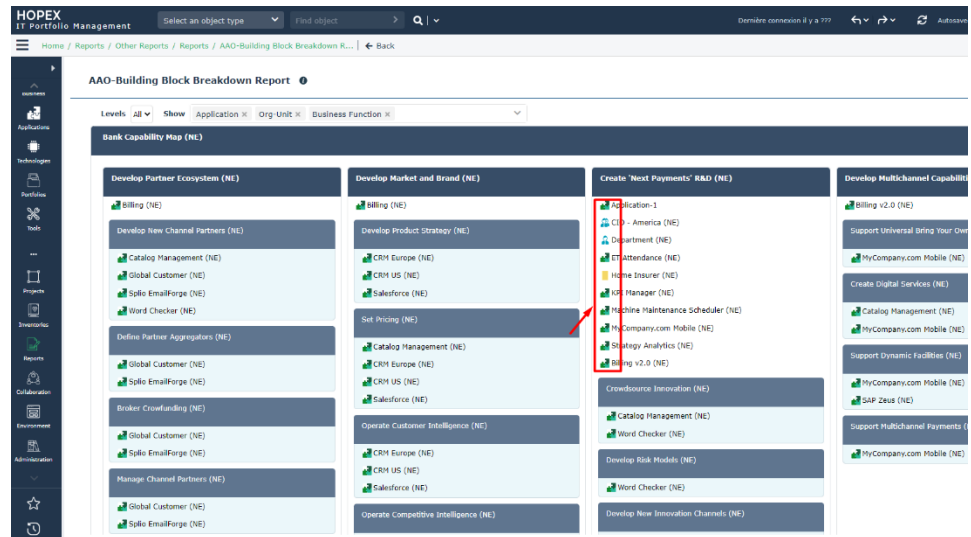
The titles of the Transformation stages have no space between the name of the transformation stage and the value of the “Period” field



The title of the transformation stage is now displayed correctly.

Case 00129132

In Building Block Breakdown Report, elements fulfilling the Business Capability are not sorted alphabetically or grouped by MetaClass.



The Fulfilling items in a capability are now sorted according to the order defined in the Model (link order between Capabilities and Fulfilling items). The report does not handle a sorting mechanism. It only relies on the order specified by the user in the Business Capability property page.

Case 00124943 Unexpected display in list 'Business Value Level' (duplicate values)

Assessment

Cloudification de l'application de ressources humaines (FR)

1. Business Value Level

Choose...

- 1 - Very Low
- 2 - Very low to Low
- 3 - Low
- 4 - Below Average
- 5 - Average
- 6 - Above Average
- 7 - Fairly high to High
- 8 - High to Very high
- 9 - Very High
- 10 - Excellent

All assessment values have now a different specific label.

11.3.2. Fixes without Case

11.3.2.1. Empty "System used" group on value stream properties

The "System used" group on a Value Stream property page is now hidden for ITPM profiles. It remains visible for ITBM profiles.

11.3.2.2. Application owner menu items fix

The Application owner doesn't have access to menu items of unavailable functionalities according to its standard CRUD.

11.4. Known issues

Nothing to share in this section.

11.5. Removed and deprecated Features

Nothing to share in this section.

12. HOPEX Privacy Management

12.1. What's new?

Nothing to share in this section.

12.2. Changes

12.2.1. Reporting

12.2.1.1. Sensitive activities

Duplicated lines have been removed and new columns added.

12.2.1.2. Data Risk Report

The Processing Activity column is now clickable.

12.2.2. Menu and WET

12.2.2.1. Integration Item hidden

The Integration menu has been hidden for Processing Activity Owners.

12.3. Fixes

Nothing to share in this section.

12.4. Known issues

Nothing to share in this section.

12.5. Removed and Deprecated features

Nothing to share in this section.

13. Reporting

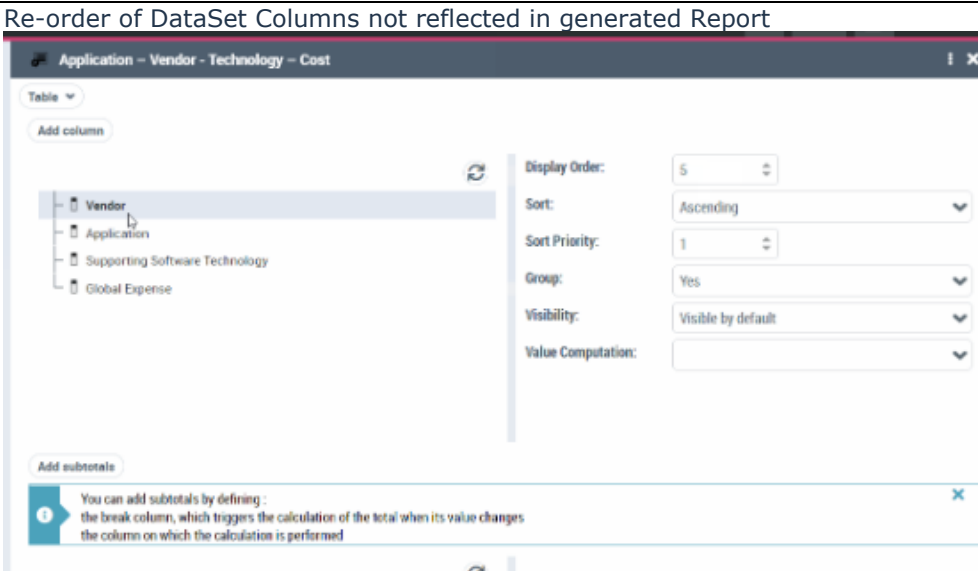
13.1. What’s new?

Nothing to share in this section.

13.2. Changes

Nothing to share in this section.

13.3. Fixes

<p>Case 00114356</p>	<p>Re-order of DataSet Columns not reflected in generated Report</p> 
<p>Case 00128373</p>	<p>Some reports take a long time to run for example, Data Transfer report seems not to work (long time to run).</p>
<p>Case 00128099</p>	<p>Excel Import creating duplicate data instead on updating same data</p>
<p>Case 00125738</p>	<p>Unexpected errors with Excel import of Regulatory Framework data (custom template) After fixing the errors we have found out that there is a problem with the correctness of the templates In the first template, no first name is found so a short name is composed from policy code column and policy label column. In the second template a shortname is given that does not exist, and this composes another shortname using the same columns, which creates multiple occurrences of the same shortname creating an error. So the shortname in the second template will have to be corrected, in order to find the proper shortname that was already created, instead of creating another shortname from the same columns as the previous one.</p>
<p>Case 00128099</p>	<p>Excel Import creating duplicate data (key indicators) instead on updating same data This issue occurs with option 'import in default library' enabled</p>

If the option 'import in default library' is not enabled, the key indicators are updated and not duplicated.
Risks are always updated.

Case 00122579 Cannot refresh Report 'List of applications' (language 'Spanish')

13.4. **Known issues**

Nothing to share in this section.

13.5. **Removed and Deprecated features**

Nothing to share in this section.

14. HOPEX Customizer

14.1. What’s new?

14.1.1. Table Reports

Ability to display arrows on titles

		Impact				
		Very Low	Low	Medium	High	Very High
Likelihood ↑	Certain	0	0	2	1	4
	Probable	2	3	4	2	0
	Likely	1	4	3	0	0
	Possible	2	3	0	0	0
	Rare	4	3	2	0	0

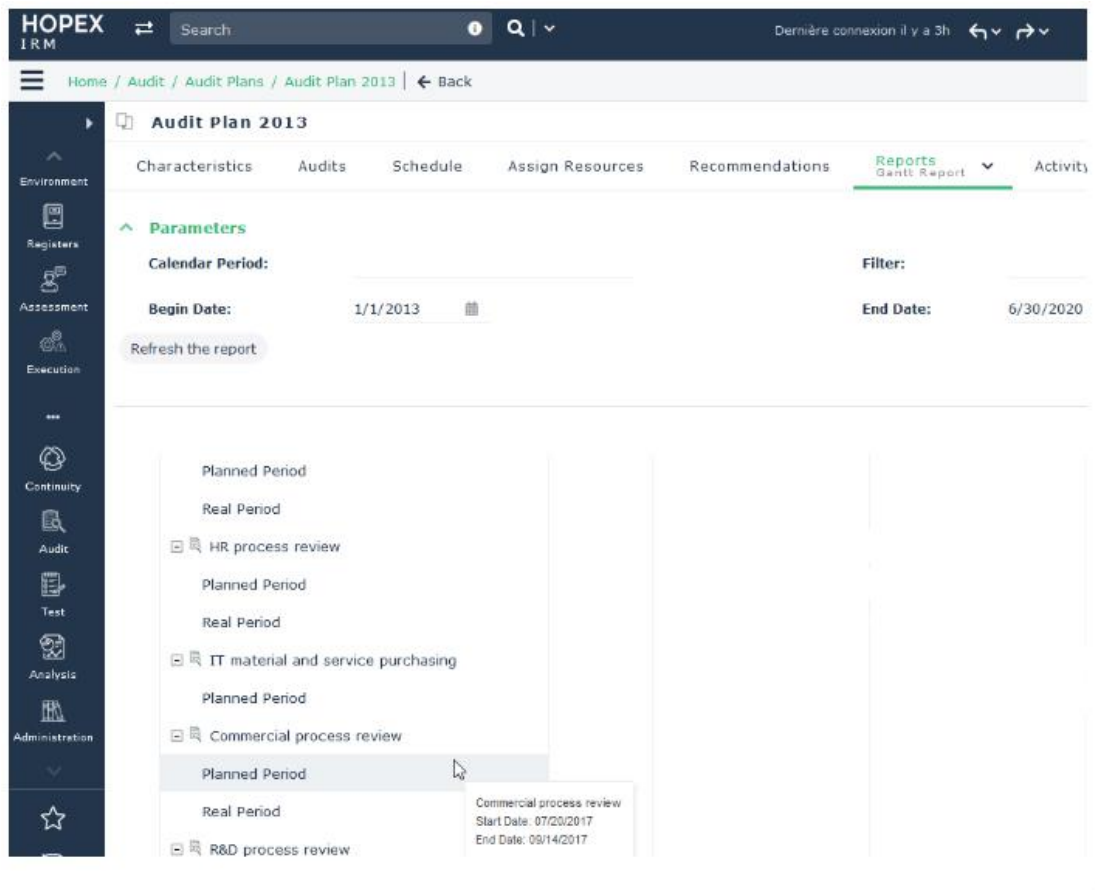
Parameters: Header of column arrow, Header of row arrow

14.1.2. Gantt Reports

Ability to display object icons

The screenshot shows the HOPEX IRM interface. The top navigation bar includes a search field and user information. The breadcrumb trail is 'Home / Audit / Audit Plans / Audit Plan 2013'. The main content area is titled 'Audit Plan 2013' and has several tabs: 'Characteristics', 'Audits', 'Schedule', 'Assign Resources' (which is active), 'Recommendations', 'Reports', and 'Activity Fe'. Below the tabs, there is a 'Gantt Chart' section. The chart title is 'Availability Resource(s)/Mission' with resources listed as 'Francois ^, Tony, Myriam, Ernesto, Francois'. A search icon and 'Scale step: month' are visible. The Gantt chart shows a task 'IT material and service purchasing' starting on 06/06/2017. A green bar indicates the mission has enough resources. A legend at the bottom identifies the colors: green for 'Mission with enough resources', yellow for 'In a shortage of resources', red for 'Mission without resources', and blue for 'Vacation'.

Ability to display the period overview on several levels



Documentation is available in Javadoc

14.2. Changes

Nothing to share in this section.

14.3. Fixes

Nothing to share in this section.

14.4. Known issues

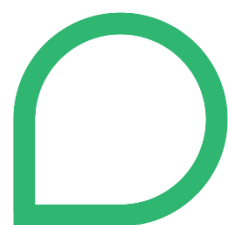
Nothing to share in this section.

14.4.1. Edition of RTF Report Template

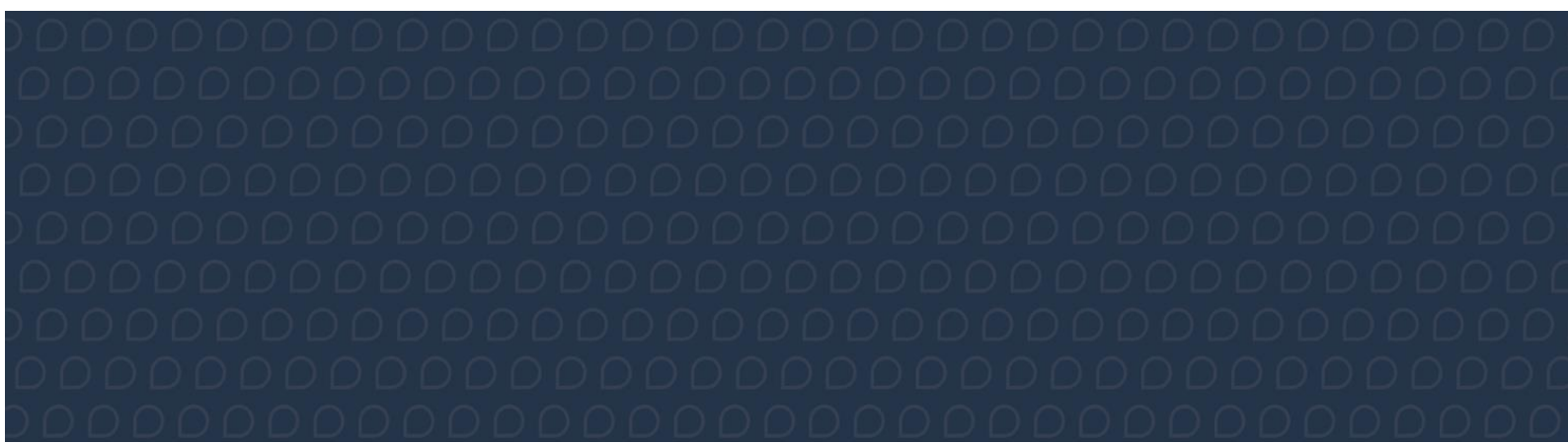
(MS Word) or RTF descriptor is not guaranteed with version of MS Word higher than 2202 Build 16.0. 14931.20132

14.5. Removed and Deprecated features

Nothing to share in this section.



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