

Qlik Compose for Data Warehouses Release Notes - April 2020 (v6.6)

This document describes the new features and enhancements provided in this release of Qlik Compose for Data Warehouses, and lists the resolved and known issues in this version.

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Product Compatibility

Qlik Compose for Data Warehouses 6.6 is compatible with the following Qlik products only:

- » **Qlik Replicate:** Versions 6.6 and 6.5

Newly Supported Platforms and Data Sources

Support was added for the following platforms and data sources:

- » Windows Server 2019 (64-bit)
- » Microsoft SQL Server 2019
- » Oracle 19

Qlik Compose for Data Warehouses 6.4 End of Life

Qlik's Support and Maintenance Agreement guarantees support for three Compose for Data Warehouses versions, as follows:

- » When the current Version Release does not have a minor release (i.e. x.0), then Qlik shall support:
 - » The current Version Release (1)
 - » The last two (2) Minor Releases of the previous Major Release
- » When the current Version Release does have a minor release (for example x.1), then Qlik shall support:
 - » The last two (2) Minor Releases of the current Major Release
 - » The last one (1) Minor Release of the previous Major Release

Based on the policy outlined above, Qlik announces the end of life of Compose for Data Warehouses 6.4. Customers who need additional time to upgrade, can do so during the six-month period following the GA release of Compose for Data Warehouses 6.6. Nevertheless, Compose for Data Warehouses customers are encouraged to upgrade to Compose for Data Warehouses 6.6 well before the end of the six-month period. No additional maintenance charges will be introduced during this period.

Qlik understands that in certain circumstances a customer may need an additional support extension to ensure business continuity. If this is the case, please contact Qlik Support to discuss the available options.

Features and Enhancements

- » Microsoft Azure SQL Data Warehouse was renamed Microsoft Azure Synapse Analytics.
- » **Performance improvements:**
 - » When filtering metadata according to the required schema for Snowflake data warehouses, the following operations/objects will now be processed in a single statement as opposed to running in several queries:
 - » Several updates of the same record
 - » Type 1 entities
 - » When the **When updating a non-null data warehouse column with a null value** option in the **Advanced** tab of the data warehouse ETL settings is set to **Set the target to null**.
 - » Significantly improved performance on Microsoft Azure Synapse Analytics after upgrading Compose for Data Warehouses, due to changed data mart structure on large data sets.
 - » Improved performance on Microsoft Azure Synapse Analytics also when running tasks in Compose for Data Warehouses. Existing ETL sets need to be regenerated but no changes are required in the Data Warehouse structure.
- » **Export/Import Mapping CSV files:** In addition to exporting and importing Model CSV files, customers can now:
 - » Export mappings from Compose for Data Warehouses to separate CSV files.
 - » Import mappings that don't exist in the current Compose for Data Warehouses project.

Resolved Issues and Customer Requested Enhancements

Following are the resolved issues and customer requested enhancements in this release:

Component/Process	Type	Description	Ref #
User Interface	Issue	Model display for Keys and Attributes would show the attribute domain name instead of the attribute name.	197194
User Interface	Issue	Lineage mapping in the Landing table would show the attribute name in the model instead of the column name.	197193
Generated Documentation	Issue	Clicking the Lineage mapping node would fail to link to the mapping in the ETL tree node.	196996
Reusable Transformations	Issue	Reusable transformations (expressions and functions) were not working as expected in the data mart filters.	196809
Data Marts	Issue	In some cases, where expressions were used, the attributes would not be processed properly.	196477
User Interface	Issue	After filtering the mappings to display a subset of them, the ALL check box addressed also the filtered mappings.	196230
Documentation	Issue	The Duplicate Project option no longer appears in the documentation.	195714

Component/Process	Type	Description	Ref #
Exporting the Project	Issue	On a cluster, clicking Generate Project Documentation to export the project documentation would fail due to missing <code>Repository.js</code> file in the data folder.	195289
Import	Issue	Import from project would fail when trying to import a mapping with an expression on automatically added Compose columns.	194636
Engine	Issue	<p>The log cleanup process did not delete log files older than the specified number of days in the UI.</p> <p>The issue was not entirely fixed. Now, after the cleanup process, x files remain (where x is the number the user specified).</p>	191692
User Interface	Issue	Compose would be unable to create a new data warehouse connection with Windows Authentication, as the OK button was not displayed in the UI.	1902695

Component/Process	Type	Description	Ref #
Documentation	Issue	<p>1. A typo in the User Guide was fixed.</p> <p>2. A global setting that limited the number of permitted database connections was not defined. The maximum number of database connections should be set for each ETL set or data mart task. The database should allow a number of concurrent connections that match the configuration of Compose.</p>	1896747
Connection Parameters	Issue	An error would occur when validating data marts because the Oracle 18 version was mistakenly evaluated as being earlier than version 12.2.	189225
ETL Sets	Issue	Custom Multi Table ETL and Single Table ETL should have run even if there were no new data records.	186845
User Experience	Issue	<p>When minimizing the browser while using some of the data mart boxes in the UI, the buttons and menu items would be inaccessible.</p> <p>To resolve this issue, the responsive action bar was applied to the toolbar, as well as the ability to resize the window.</p>	1863213

Component/Process	Type	Description	Ref #
Model	Issue	<p>When searching in the attribute list for an attribute based on the attribute name, filtering would also inspect the "Data Type" and "History" columns.</p> <p>To search for an attribute based on the attribute name only, you must add the prefix "name:" in the Search look-up field. For example, if you want to search for an attribute that contains "ar" in its name, type "name: ar".</p>	181756
User Interface	Issue	Pre Loading ETLs or Post Loading ETLs could not be edited after accessing the More Details popup.	1756082
ETL Sets	Issue	Default behaviour for new ETL sets was changed to write NULL for the target value instead of keeping the values unchanged between the two mappings.	CMPS-8839
Data Marts	Enhancement	<p>To improve performance, the data mart structure on Microsoft Azure Synapse Analytics was slightly changed.</p> <p>After upgrading Compose for Data Warehouses, existing customers using that platform need to drop and create their data marts.</p>	CMPS-8810

Component/Process	Type	Description	Ref #
Upgrade	Issue	<p>In some cases, upgrading Compose for Data Warehouses would fail to cross domains.</p> <p>Functionality was added to the Qlik infrastructure to enable the retrieval of domains in alternative ways.</p>	CMPS-8480
Upgrade	Issue	<p>During upgrade, Compose Agent tasks and services would still be running causing issues with the upgrade.</p>	CMPS-7288
Running Adjust Scripts on Microsoft Azure Synapse Analytics	Issue	<p>Adjust scripts that needed to be run manually would start with DROP CONSTRAINT, which caused them to fail.</p> <p>Workaround:</p> <p>Edit the script to remove the DROP CONSTRAINT section and then run it.</p>	CMPS-7015
Data Marts	Issue	<p>A data mart that was not valid would change its status to valid if the Attunity Compose service was restarted.</p>	CMPS-3665

Known Issues

The following are the known issues in this release.

Component/Process	Description	Ref #
Upgrade	<p>After upgrading Compose for Data Warehouses to version 6.6, historical logs of tasks cannot be viewed from the UI.</p> <p>Note: They can be still viewed manually from the disk under the Compose Agent java log directories.</p>	CMPS-8844
Pivot Table	<p>When the same column is included in two different dimensions, the pivot table shows the wrong data.</p>	CMPS-3995
Scheduler	<p>The Scheduler is not adjusted to take into account daylight saving time (DST).</p> <p>For example, a daily job which was scheduled at 11PM should be run at 11PM after DST is applied.</p>	CMPS-3932