Teradata® Vantage 2.3.2.0 Release Summary

Deployment Platform: Teradata Vantage on IFX

February 2022

Product Safety

Safety type	Description
NOTICE	Indicates a situation which, if not avoided, could result in damage to property, such as to equipment or data, but not related to personal injury.
CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate personal injury.
WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious personal injury.

Feedback

To maintain the quality of our products and services, email your comments on the accuracy, clarity, organization, and value of this document to: docs@teradata.com.

Teradata Vantage™ is our flagship analytic platform offering, which evolved from our industry-leading Teradata® Database. Until references in content are updated to reflect this change, the term Teradata Database is synonymous with Teradata Vantage.

Advanced SQL Engine (was NewSQL Engine) is a core capability of Teradata Vantage, based on our best-in-class Teradata Database. Advanced SQL refers to the ability to run advanced analytic functions beyond that of standard SQL.

The following lists the fixed and known issues in this release. If you experience any of the following issues, open an incident with Teradata Customer Support and include the Reference ID in your description.

Compatibility Matrix

For component compatibility information:
1. Go to support.teradata.com.
2. Log in.
3. Search for KB0027406.

Key Features

Vantage on IFX 2.3.2.0

Fixed Issues

MLE

Reference ID	Description
MLE-7590	Paragraph_to_text query errors with "java.sql.SQLException: internal error at an MLE worker".
MLE-7508	TextParser error.
MLE-7505	Text_to_Paragraph errors when creating IMAT table.
MLE-7493	Paragraph_to_text is very slow on Vantage.
MLE-7332	2 MLE queries error exactly 1 hr after launch with "MLE_ERR: Database connection broken.
MLE-7232	UDF scripts: improve readability of mleudf.py output.

MLE-6355	**Issue Description**: The machine learning engine (MLE) includes its own set of three pods called consul-0 consul-1 and consul-2. If two of these re-start at the same time, they might never recover. One symptom of this is Queen pod stuck in a state like Init:2/14. **Workaround**: In this case, MLE must be re-started by doing an appctl uninstall and install of the MLE chart. **Platform**: All.

MLE Analytics

Reference ID	Description
ANLY-10612	**Description**: In VectorDistance, ORDER BY was mandatory in the ON clause for the reference table if InputTablesSame argument was true. **Workaround**: A performance optimization has been done and ORDER BY is not mandatory anymore for the reference table for this specific case. Using it will work fine as before but it will slow down the query unnecessarily. **Deployment**: All.
ANLY-10226	**Issue**: For XGBoost function, if sparse format is used for input dataset, the function may fail. **Workaround**: Add UniqueID() argument when sparse format is used in XGBoost function.
ANLY-9660	**Description**: Output table column names constructed from an argument value should satisfy the following conditions: 1) Use only lower case. 2) Not use special characters other than underscore. 3) Not start with a digit. 4) Not use reserved keywords. The following functions and arguments are affected: - PathStart: PartitionNames - JSONParser: Nodes, NodeIdOutputColumn, ParentNodeOutputColumn, ErrorHandler - Pack_MLE: OutputColumn - Unpack_MLE: OutputColumns - Unpivoting: AttributeColumn, ValueColumn - URIUnpack: Queries - XMLParser: Sibling, Nodes, OutputColumnNodeId, OutputColumnParentNodeName, OutputColumnGrandparentNodeName, ErrorHandler - LARPredict: CoefPositions - GTree: Results, EdgeResults When an output column name is taken directly from one of the above arguments, an error is throws indicating that the column name is invalid so that the user is aware of the invalidity of the specified name. When an output column name is formed by concatenating one of the above arguments with some additional string, the function will convert the name to one that satisfies the above conditions: 1) Replaces upper case by lower case. 2) Replaces special characters by underscore. 3) Replaces initial digit by underscore. 4) Appends underscore to the reserved keyword. **Workaround**: Do not use a string value in any of the affected function arguments that violates any of the conditions in the Description. **Deployments**: All.
ANLY-8244	**Issue**: For KNN function, automatic tuning of PartitionBlockSize might not be optimal. **Workaround**: Manually tune value of PartitionBlockSize.
ANLY-6958	**Issue**: If an error message exceeds 256 characters, it is truncated to 256 characters. **Workaround**: None.

Advanced SQL Engine Analytic Functions

Reference ID	Description
TDAF-2531	**Description**: When the input data is large, consecutive query runs of the DecisionForest function can sometimes return different results. The reason being that after the first query execution, Java JVM needs to do GC (garbage collection) to release memory. If the GC hasn't finished and the second query run is launched, there may not be enough memory and only the portion of data loaded into memory will be used by the DecisionForest execution. As a consequence, the results from the two executions are different. **Workaround**: Wait a few miinutes for GC to finish. **Deployment**: All.
TDAF-2450	**Description**: The issue occurs when one or more input table columns is named after MLE reserved keywords (see corr_keywords.txt). The user will get a syntax error which points to some column names. The issue occurs because an internal query misses enclosing the reserved column names within single quotes (which in turn require escaping). **Workaround**: Rename the columns named after reserved keywords so that they do not use any of the 141 reserved keywords. **Deployment**: All.

Teradata AppCenter

Reference ID	Description
UDAPP-8661	**Description**: Customer will need to delete the malformed prometheus data to resolve errors in thanos compactor.
UDAPP-8648	**Description**: Ambassador needs to be restarted once new certificates are installed. This issue is intermittent.
UDAPP-8601	**Description**: Apps with permissions revoked are visible to user, but if clicked it will throw permission error.
UDAPP-8552	**Description**: Multibyte character app names do not work. **Workaround**: None.
UDAPP-8270	**Description**: Scheduled and Manual backups fail if Postgres data size is very large. If node does not have twice the space that Postgres has, backup fails with OOM or Pod Evicted.
UDAPP-8206	**Description**: Execution of OS commands is blocked from BTEQ apps. The . OS directive on BTEQ apps does not execute, but job shows status as successful. **Workaround**: Do not rely on job status when using BTEQ apps with . OS directive. Instead, see logs of apps, which display error messages related to failure in command execution.
UDAPP-7789	**Description**: Parsing fails for parameters with double hyphens. **Workaround**: None.
UDAPP-7192	**Description**: Service accounts in AppCenter are not backed up by Scheduled or Manual backup.

Viewpoint

Reference ID	Description
VP-50858	**Description**: Upgrade to Tomcat 9.0.31 to address the following high (CVSS >=7.0) security risks: 1. CVE-2020-1938. 2. CVE-2020-1935 (not yet rated). **Workaround**: N/A. **Ease of exploitation**: 1. CVE-2020-1938: This only affects the AJP protocol connector which we do not use and do not have enabled. It is a serious vulnerability, but not for Viewpoint. 2. CVE-2020-1935: Very difficult. From the CVE, "a possibility of HTTP Request Smuggling if Tomcat was located behind a reverse proxy that incorrectly handled the invalid Transfer-Encoding header in a particular manner. Such a reverse proxy is considered unlikely." **Deployments**: All.

Known Issues

DBSQ

Reference ID	Description
DBSQ-3762	**Description**: Error messages show old, nonstandardized argument and table names. **Workaround**: For old names that appear in error messages and their corresponding new names, see Teradata Vantage™ Machine Learning Engine Analytic Function Reference, B700-4003.

Teradata AppCenter

Reference ID	Description
UDAPP-9975	503 errors in ambassador's logs when navigating screens of Vantage Analyst.
UDAPP-9930	platform-prometheus-0 and platform-prometheus-1 pods crash frequently. We have tried to restart the Crashlooped platform-prometheus-0 pod by deletingit. The pod came up into 5/5 Running status but soon it went into Crashloop.
UDAPP-9878	When rook-ceph pods got restarted, scheduled AppCenter backups stopped working as OwnerReference was not copied.
UDAPP-8119	**Description**: Postgres fails to store large results. **Workaround**: Reduce size of query or split query into multiple parts.