Teradata® Vantage Release Summary

Release 1.1.1

November 2019

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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.

Fixed Issues

Machine Learning Engine

Reference ID	Description
ANLY-9084	**Description**: The DecisionForestPredict function does not report an error if an invalid value is provided in the Responses argument. Instead, the output table will have a column prob_<invalid_value> showing all zeros. **Workaround**: None. **Deployments**: All.
ANLY-8929	**Description**: Classification functions do not support class names that differ only by case. For example, functions may treat classes named "DeKalb" and "Dekalb" as one class. **Workaround**: Distinguish class names by more than case. **Deployments**: All
MLE-2761	Duplicate SLM stats were collected.

Teradata QueryGrid™

Reference ID	Description
QUERYGRID-11482	QueryGrid backup files are not deleted from the file system when the backup copy step fails.
QUERYGRID-11265	QueryGrid QLM pass-through may encounter timeout failures.
QUERYGRID-11022	QueryGrid portlet does not report username on some failed analytic queries
QUERYGRID-11021	Query phase reported as UNKNOWN in Viewpoint.
QUERYGRID-10421	**Description**: If metadata request fails, Viewpoint reports incomplete metrics for failed query until fabric cleans up query state. **Workaround**: None.
QUERYGRID-10166	**Description**: Query data skew is incorrect in query metrics summary in Viewpoint.
QUERYGRID-10024	**Description**: System health monitoring for Vantage systems (NewSQL Engine and ML Engine) may no longer work after upgrade if prior Fabric or Driver restart issues exist.

Known Issues

Machine Learning Engine

Reference ID	Description
ANLY-8534	**Description**: This is a new function that wraps the previous NaiveBayesMap and NaiveBayesReduce functions. We advise to use this function as it has a simpler syntax and other improvements. However, the previous nested syntax is still supported. **Deployments**: All.
ANLY-8244	**Description**: For KNN function, automatic tuning of PartitionBlockSize might not be optimal. **Workaround**: Manually tune value of PartitionBlockSize.
ANLY-6958	**Description**: If an error message exceeds 256 characters, it is truncated to 256 characters. **Workaround**: None.
ANLY-6855	**Description**: The DecisionTree and AdaBoost functions can output a model table with no rows. The most likely cause is that the value of MinNodeSize is too large. This will also happen if the input table is empty. **Workaround**: None Deployments: All
MLE-4095	**Description**: The machine learning engine limits the space allocated for meta-data to ten gigabytes. Under extreme workloads of many small queries, this can fill up before the three-day expiration period, causing all queries to fail with "internal error" being reported. **Workaround**: Contact Teradata Customer Support for assistance. **Deployments**: All.
MLE-3953	**Description**: When disk space hits 80% we set the QOS limit to 0 and should only allow drop/truncate statements to cleanup. This cleanup process however is blocked by the QOS rules, resulted in query failures: MLE_ERR_FFE: Admission denied (). **Workaround**: Contact Teradata Customer Support for assistance. **Deployments**: All.
MLE-3838	**Description**: Analytic applications, such as ML Engine, use UTC time zone. NewSQL Engine may have been set to non-UTC time zone. Time zone must match between NewSQL Engine and the analytic applications; otherwise, data transferred between nodes is impacted. **Workaround**: Contact Teradata Customer Support for assistance.
MLE-3491	**Description**: The MLE connector stats handler thread continues to use old connector password after it is changed. **Workaround**: Contact Teradata Customer Support for assistance. **Deployments**: All

MLE-3405	**Description**: ML Engine does not support QueryGrid link names that contain whitespace. **Workaround**: The administrator should not use whitespace in names when they create links between the ML engine and other components. Doing so causes an error in the Failure Detection and Restart capability of the ML engine.
MLE-3031	**Description**: Some rows in ML Engine stats table may contain empty stats. **Workaround**: None. The rows with empty stats may be confusing, but do not affect anything.
MLE-2220	**Description**: PERM space size of Query Level Monitoring (QLM) database is created with 10 Mb for each AMP. PERM space is full if QLM queries fail with [ERROR]: No more room in database td_mle_db. **Workaround**: None. **Deployments**: All
MLE-1392	**Description**: Stored procedures in pm database, such as pm.install_afile, fail if first master node in analytic cluster is unavailable. **Workaround**: Administrator must log into each TPA node using ssh, then change the file /home/tdatuser/.ssh/ config to point to another node in analytic
TDAF-287	**Description**: Function arguments that specify multiple columns accept only lists of column names, not column ranges or a combination of column names and column ranges. **Workaround**: None.

QueryGrid

Reference ID	Description
QUERYGRID-11020	**Description**: In some cases, error message returned to end user lacks information about cause of error. No workaround. If you need additional information, contact Teradata Customer support to retrieve support bundle for failed query.

Advanced SQL Engine

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-8661	**Description**: Customer will need to delete the malformed prometheus data to resolve errors in thanos compactor **Workaround:** Remove the corrupted blocks and restart thanos compactor
UDAPP-8648	**Description**: Ambassador needs to be restarted once new certificates are installed. This issue is intermittent. **Workaround**: Restart ambassador pods, only If the the browser does not show updated certificates after install.

UDAPP-8601	**Description**: Apps with permissions revoked are visible to user, but if clicked it will throw permission error.
	Workaround: None.
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.
	Workaround: Free up space in /var/lib/docker mount on machine where backup pods run. The space in this folder must be twice the size of the Postgres
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
UDAPP-8119	**Description**: Postgres fails to store large results.
	Workaround: Reduce size of query or split query into multiple parts.
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.
	Workaround: Manually recreate all service accounts in AppCenter after restore.

Vantage

Reference ID	Description
VAN-31	**Description**: If table being transferred from NewSQL Engine to ML Engine has VARBYTE column and type of corresponding ML Engine column is incompatible with VARBYTE, error message says Found: bytea instead of Found: varbyte ; for example: NAIVEBAYESPREDICT: The column 'c_varbyte' specified in CategoricalInputs must be a member of one of the following SQL type groups: [INTEGER, STRING]. Found: bytea
	Workaround: On ML Engine, change column type from VARBYTE to BYTEA by calling procedure TD_SYSFNLIB.QGExecuteForeignQuery .