Teradata® Vantage 3.3.0.0 Release Summary

VantageCloud Enterprise

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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.
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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 Key in your description.

Feature Summary

Vantage

- Database Engine 20.00.30.xx
- Modernized operating system - Ecosystem components are getting an OS upgrade, providing stronger security, faster patching, and improved marketplace readiness across CSPs
- Externally managed performant OTF (Private Preview)
    - Enables native, high-performance read access to externally managed Delta Lake tables.
    - Allows customers to query Delta Lake data stored and governed in their open data lake environments while benefiting from TD native execution, enterprise-grade performance and security.
    - Available with new Enterprise Cluster deployments.

Fixed Issues

Teradata Analytics Database

Key	Description
SQLE-5450	SQLE Engine Release 20.00.30.60 OPT-11402 (Feature): Changes for the gRPC/RPC infrastructure to send and receive both data and control across clusters. 20.00.30.56 VEL-3092 (Lightweight Feature): Bedrock and GCP batch embeddings. TDAF-15657 (Feature) TD_PathSummarizer SQLMR table operator function 20.x. REGULUS-2238 (Feature): Allow versioned Spool maps for system expansions and contractions for Compute Engines. OPT-9846 (Lightweight Feature): Enabling NUJI AXP for Inlist. OTF-4653 (Feature): Externally Managed OTF Delta Lake Read Support (MVP 1 Disabled Merge). 20.00.30.55 SQLEDRTM-735 (Lightweight Feature): Table ID Extension (using the PJ ID range). OPT-11150 OPT-11675 OPT-11541 (Lightweight Feature): Enable support for table operators (SCRIPT, PMMLPREDICT, READ_NOS, WRITE_NOS) to run on Compute Engine (CE). 20.00.30.54 VEL-2855 (Lightweight Feature): Implement AI_Transcribe Fast Path Function. OPT-11051 (Feature): Value Lookup Join for Externally Managed OTF tables. 20.00.30.53 OPT-11508 (Feature) Optimizer feature changes to support improved compute performance on CPU-bound workloads (tdbms.20.0.teracloud). 20.00.30.52 TCFSYS-471 (Feature): FileSys changes to support improved compute performance on CPU-bound workloads. 20.00.30.51

	NOSFS-13365 (Feature) OFS Reorganize with LOB columns and STJI. OPT-11338(Feature): Costing for Iceberg OTF - Phase 2. 20.00.30.48 OPT-11075 (Feature) Aggregate Metadata Optimization for Group By Queries and Direct Scan for Schema Evolution Tables. 20.00.30.36 OTF-5099 (Feature): Streamline OFS/write_nos parquet write code path. 20.00.30.24 PDEDEV-3153 (Feature): PSF I/O HL for VP/WD enabled by default. 20.00.30.11 PDE-20814 (Light weight Feature): Decrease process cache lock contention.

Known Issues

Viewpoint

Key	Description
VP-62306	When trying to login to viewpoint portal, admin credentials do not work. **Workaround**: Requires a Teradata support ticket to work around this issue. **Deployments**: All

User-Defined Functions

Key	Description
UDF-3866	Validate 'pepserver.cfg' has not changed after performing uninstall and re-install protegrity. **Workaround**: Requires a Teradata support ticket to work around this issue. **Deployments**: Azure

Teradata I/O Scheduler

Key	Description
TDSCHED-383	The Teradata I/O scheduler (tdsched) is designed around a single-queue-per-device model to enforce I/O prioritization between database workloads. On cloud Virtual Machine instances with high vCPU counts, the storage driver exposes one hardware I/O queue per vCPU, which exceeds the design assumptions of tdsched's single-queue architecture. This mismatch causes elevated background kernel CPU activity (kworker/N:1H-kblockd threads) that persists even when database I/O load is low or the database is stopped. **Limitation:** On large cloud VM instances (typically 64+ vCPUs), users may observe multiple kworker/N:1H-kblockd kernel threads consuming small but consistent amounts of CPU when tdsched is enabled. This is a known architectural limitation — tdsched was not originally designed for storage backends that expose a hardware queue per CPU. There is currently no complete fix. A partial mitigation is work in progress, which reduces unnecessary CPU wakeups when the I/O queue is idle, but does not fully eliminate the overhead under active I/O load. The impact on database query performance and I/O throughput is not expected to be significant, as the total CPU consumed remains a small fraction of overall system capacity. **Deployments**: All

PDE Development

Key	Description
PDEDEV-3838	Higher seg inuse and seg cache values were observed compared to the older version. Since seg inuse includes cache memory, any increase in cache size is also reflected in seg inuse. This behavior is driven by cache growth rather than unbounded memory consumption. The increase does not indicate a defect; instead, it reflects normal cache utilization, which can improve the cache hit ratio and overall system performance. **Workaround**: A Teradata support ticket is required for further evaluation. This condition is not expected to lead to ERRSEGNOVIRTUAL (10309) unless there are underlying issues such as segment leaks. The first step is to validate that no segment leaks are present. If no leaks are identified and the workload previously ran successfully with the same segment pool size, the segment pool size can be increased through the standard change control process. Given that the cache-related increase described above is unlikely to be the root cause, incident details should be shared with PDE Engineering for background analysis. **Deployments**: All

Open Table Format

Key	Description
OTF-7157	Queries take Java OTF path while selecting 70 or more columns. **Workaround**: When OTF queries have 70 or more columns in the SEL clause, the queries tend to take Java OTF path, instead of the Native OTF path. This limitation can be avoided by setting the NOS DBScontrol flag 293 = 3, to make sure, the queries take the Native OTF path. **Deployments**: AWS
OTF-7111	Performance regression on Q57 and Q68 of 3TB TPCDS benchmark. **Workaround**: Requires a Teradata support ticket to work around this issue. **Deployments**: Q57 on AWS and GC, Q68 on GC

OTF-6117	The issue is caused by memory exhaustion when concurrent queries are run in a long duration. Java OTF needs to be restarted in order to flush the heap and recover performance.
	
	Workaround: Restart Java OTF server on database. Log on as dbc and run following commands.
	
	call SQLJ.ServerControl('JAVAOTF', 'disable', a);
	
	call SQLJ.ServerControl('JAVAOTF', 'shutdown', a);
	
	call SQLJ.ServerControl('JAVAOTF', 'status', a);
	
	call SQLJ.ServerControl('JAVAOTF', 'enable', a);
	
	Deployments: Affected deployments (Azure, AWS, GC) or "All"

Data Stream Architecture

Key	Description
DSA-48630	Backup jobs from the console show “No child objects found” when connecting to DBC, although the system contains multiple databases. **Workaround**: Stop the DSC "service dsc stop". Copy D2D *systemconfig-commons-dao.jar* to */opt/teradata/client/20.00/dsa/dsc* and */opt/teradata/client/20.00/dsa/dsc/lib/compile/build*. Start the DSC server "service dsc restart". **Deployments**: Google Cloud
DSA-48625	After Scale Out operations, the server.id in clienthandler.properties may change from Site ID format to hostname format, causing BaaS backup jobs to fail with "Offline Mediaservers" error. **Workaround**: Change below properties in */etc/opt/teradata/dsa/clienthandler.properties* file from hostname format to siteid_nodeno format. Property - server.id Before (Incorrect) SMP001-01_media After (Correct) TDXXXXXXXXXX_001-01_media Property - server.backupAppClientName Before (Incorrect) SMP001-01_media After (Correct) TDXXXXXXXXXX_001-01_media **Deployments**: All

Data Insights

Key	Description
DINSIGHTS-4097	Embedding creation step took a long time to complete potentially causing a hang. Adding parallelism for AI_TextEmbedding call responsible for generating embeddings resolves this issue. **Workaround**: Requires a Teradata support ticket to work around this issue if it happens on an environment where fix is not available. **Deployments**: All
DINSIGHTS-4076	An unsupported model was being listed as available causing the error. List call has been updated to validate a model before populating the list. **Workaround**: The resolution enables only valid models to show up in the list. Before the resolution, try another model from the list. **Deployments**: All

Bring Your Own Model

Key	Description
BYOM-1720	Issue linked to the use of the com.teradata.fnc library. User-Defined Functions team was no longer able to reproduce the problem on the test environment. **Workaround**: Requires a Teradata support ticket to work around this issue if it happens again. **Deployments**: All