

# Teradata<sup>®</sup> Vantage 2.1 Release Summary

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Deployment Platforms: Teradata Vantage on AWS

Teradata Vantage on Azure

October 2020

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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.

## Compatibility Matrix

For component compatibility information:

1. Go to [support.teradata.com](https://support.teradata.com)
2. Login
3. Search for KB0033995

## Key Features

Vantage on AWS/Azure 2.1.0.0 contains the following:

- Latest version of Advanced SQL Engine 17.00
- Kubernetes stack
- Ecosystem Core Services (ECS)
- File Upload
- AppCenter Platform
- KubeKit
- Containerized applications/capabilities including: AppCenter, Vantage UI: Vantage Editor & Vantage Platform Home, Vantage Analyst and JupyterHub (limited to 5 users)
- Standard Offer (AWS+ Azure) + Managed Apps(Azure)
- LDAP configuration using KeyCloak UI

## Fixed Issues

### Server Management Software

Reference ID	Description
SM-30151	CVE-2020-13692 PostgreSQL JDBC Driver
SM-29896	Address CVE-2020-9488 security risk <b>Workaround:</b> CMIC is a closed system and does not allow outside software to run on it. External access to the host OS is very controlled to specific IP addresses/users. <b>Deployments:</b> All

### Advanced SQL Engine

Reference ID	Description
SQLE-848	<p>-----TD17.0.x CADENCE TDBMS DRs-----            *****            ***** 17.00.11.01 created 07/10/20 *****            *****</p> <p>TVSA:            DR 194066 Priority 2            No symptoms will be visible to the customer, because this is purely a compilation error.</p> <p>-----TD17.0.x CADENCE TDBMS DRs-----            *****            ***** 17.00.10.01 created 06/26/20 *****            *****</p> <p>DR 189160 Priority 2            Customer query failed with error 2640 while accessing fat table header when an mload job was working on the same fat table.            DR 192213 Priority 2            Query may fail with error 10406 while accessing fat table header during abort processing.            DR 193494 Priority 2            While aborting the query using the PMPC/cnstool when the Request is in response phase then following request may cause the restart.</p>

DR 194176 Priority 1  
System crashes when  
->Cluster change made from 2 amp to 4 amp in 15.10  
->After upgrade to 16.10/16.20 with legacy fallback(MHM disabled), doing PE configuration change.

DR 194181 Priority 2  
If observed, the RSG will throw and rsgfatal which would cause a tpareset with the back trace seen in the stack trace.

DR 194226 Priority 2  
Updating a View with non-deterministic where/set clauses would cause an error return code and abort the update.

DR 194258 Priority 2  
User may see high CPU time taking on queries when using column value within an AT TIME ZONE conversion.

DR 194259 Priority 2  
Executing the FPF sastransform() may leads to segv when  
>> if the udfttrace enabled  
>> if it get any error while writing the udfttrace information into temporary table.

DR 194278 Priority 2  
Query with IPE excution picks Read Lock even though user explicit mention Access lock. Only when the problematic table is accessed in the second fragments onwards.

DR 194279 Priority 2  
SQL's with the RESET-WHEN clause with backward referring CTE can lead to pardie.

DR 194282 Priority 2  
2513 restart for fastload job while inserting row into Error table.

DR 194288 Priority 2  
9267/6881 error for Cre/Rep View/Macro sql having same nested SUDF from SP.

DR 194302 Priority 1  
Dictionary restore only job may leads to the corruption if the source and target row format mismatches.

DR 194319 Priority 2  
While executing the sql if it get the 5007 error then it may leads to database hung due to timing window between the tasklock and stp-AAB.

DR 194337 Priority 2  
Creatorname in DBC.AllRights shows "DROPPED USER" for error tables of failed load jobs.

DR 194340 Priority 2  
Memory corruption could happen for NPATH queries. It could cause AMP failures(7487), SEGVs(9124), or restarts.

## Teradata AppCenter

Reference ID	Description
UDAPP-9688	AppCenter backups failing due to incorrect S3 bucket name

## Known Issues

### Ecosystem Core Services

Reference ID	Description
ECS-3264	<b>Description:</b> Syntax error returned by File Upload <b>Workaround:</b> Ensure the database and table names do not have protected characters (e.g. -) and do not start with numerals. <b>Deployments:</b> All
ECS-3263	<b>Description:</b> Incorrect error message thrown when the endpoint is to a valid system but an invalid database <b>Workaround:</b> When receiving this error, verify whether the database has adequate space and if necessary expand the database capacity. <b>Deployments:</b> All

### Advanced SQL Engine Analytic Functions

Reference ID	Description
TDAF-2541	For the SQL Engine Releases prior to 17.00.15.01: 1. If the user provides a model table with trees having Unicode charset, and input categorical columns having LATIN charset, DecisionForestPredict can result in incorrect predictions. The fix for this issue is available from 17.00.15.01 onwards. 2. As documented in the user guide, DecisionForestPredict does not support CLOB for categorical columns. If the categorical columns are of CLOB type, DecisionForestPredict can result in incorrect predictions. It doesn't throw any error. From 17.00.15.01 onwards, the function throws an error in this case.

### Teradata AppCenter

Reference ID	Description
UDAPP-9765	Rook alerts are getting fired on a system that does not have rook
UDAPP-8972	AppCenter App-service has code to retrieve encryption/decryption key form consul. But the call to consul goes over HTTP. Coverity has recently marked it as high impact and is fixed in AppCenter 2.x
UDAPP-8661	<b>Description:</b> Customer will need to delete the malformed prometheus data to resolve errors in thanos compactor <b>Workaround:</b> Remove the corrupted blocks and restart thanos compactor.
UDAPP-8648	<b>Description:</b> Ambassador needs to be restarted once new certificates are installed. This issue is intermittent. <b>Workaround:</b> Restart ambassador pods, only If the the browser does not show updated certificates after install.
UDAPP-8270	<b>Description:</b> 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. <b>Workaround:</b> 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 data.

UDAPP-7192	<b>Description:</b> Service accounts in AppCenter are not backed up by Scheduled or Manual backup. <b>Workaround:</b> Manually recreate all service accounts in AppCenter after restore.
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