

Teradata® DSA

Release Definition

Release 17.20




November 2022

Copyright and Trademarks

Copyright © 2013 - 2023 by Teradata. All Rights Reserved.

All copyrights and trademarks used in Teradata documentation are the property of their respective owners. For more information, see [Trademark Information](#).

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.

Third-Party Materials

Non-Teradata (i.e., third-party) sites, documents or communications ("Third-party Materials") may be accessed or accessible (e.g., linked or posted) in or in connection with a Teradata site, document or communication. Such Third-party Materials are provided for your convenience only and do not imply any endorsement of any third party by Teradata or any endorsement of Teradata by such third party. Teradata is not responsible for the accuracy of any content contained within such Third-party Materials, which are provided on an "AS IS" basis by Teradata. Such third party is solely and directly responsible for its sites, documents and communications and any harm they may cause you or others.

Warranty Disclaimer

Except as may be provided in a separate written agreement with Teradata or required by applicable laws, all designs, specifications, statements, information, recommendations and content (collectively, "content") available from the Teradata Documentation website or contained in Teradata information products is presented "as is" and without any express or implied warranties, including, but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or noninfringement, which are hereby disclaimed. In no event shall Teradata corporation, its suppliers or partners be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of content, even if advised of the possibility of such damage.

The Content available from the Teradata Documentation website or contained in Teradata information products may contain references or cross-references to features, functions, products, or services that are not announced or available in your country. Such references do not imply that Teradata Corporation intends to announce such features, functions, products, or services in your country. Please consult your local Teradata Corporation representative for those features, functions, products, or services available in your country.

The Content available from the Teradata Documentation website or contained in Teradata information products may be changed or updated by Teradata at any time without notice. Teradata may also make changes in the products or services described in the Content at any time without notice.

The Content is subject to change without notice. Users are solely responsible for their application of the Content. The Content does not constitute the technical or other professional advice of Teradata, its suppliers or partners. Users should consult their own technical advisors before implementing any Content. Results may vary depending on factors not tested by Teradata.

Machine-Assisted Translation

Certain materials on this website have been translated using machine-assisted translation software/tools. Machine-assisted translations of any materials into languages other than English are intended solely as a convenience to the non-English-reading users and are not legally binding. Anybody relying on such information does so at his or her own risk. No automated translation is perfect nor is it intended to replace human translators. Teradata does not make any promises, assurances, or guarantees as to the accuracy of the machine-assisted translations provided. Teradata accepts no responsibility and shall not be liable for any damage or issues that may result from using such translations. Users are reminded to use the English contents.

Feedback

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

Any comments or materials (collectively referred to as "Feedback") sent to Teradata Corporation will be deemed nonconfidential. Without any payment or other obligation of any kind and without any restriction of any kind, Teradata and its affiliates are hereby free to (1) reproduce, distribute, provide access to, publish, transmit, publicly display, publicly perform, and create derivative works of, the Feedback, (2) use any ideas, concepts, know-how, and techniques contained in such Feedback for any purpose whatsoever, including developing, manufacturing, and marketing products and services incorporating the Feedback, and (3) authorize others to do any or all of the above.

Confidential Information

Confidential Information means any and all confidential knowledge, data or information of Teradata, including, but not limited to, copyrights, patent rights, trade secret rights, trademark rights and all other intellectual property rights of any sort.

The Content available from the Teradata Documentation website or contained in Teradata information products may include Confidential Information and as such, the use of such Content is subject to the non-use and confidentiality obligations and protections of a non-disclosure agreement or other such agreements to protect Confidential Information that you have executed with Teradata.

Contents

- Chapter 1: Release Information 5**
 - Welcome to Teradata DSA Release Definition 5
 - Software Compatibility 5
 - New Features 6
 - Release Notes 7
 - Improvements 8
 - Resolved Issues 10
 - Open Issues 11
- Appendix A: Additional Information 12**

Release Information

Welcome to Teradata DSA Release Definition

Using the Teradata DSA Release Definition

Teradata® DSA Release Definition provides a summary on new features and fixed issues associated with all DSA releases.

Why Would I Use this Content?

This content explains the details of major DSA releases. It includes new features, enhancements, improvements, and bug fixes.

How Do I Use this Content?

Use this content to learn about:

- Software compatibility
- New features
- Improvements
- Resolved issues
- Open issues

How Do I Get Started?

Review the topics in [Release Information](#) to learn about the updates for this DSA version.

References to Other Relevant Content

Refer to [Related Documentation](#) for more information on various DSA documents.

Software Compatibility

Teradata DSA Release	17.20.04.00
Analytics Database	<ul style="list-style-type: none">• 17.20• 17.10• 17.05• 17.00• 16.20 Feature Update 2• 16.20 Feature Update 1• 16.20

Teradata Database	<ul style="list-style-type: none"> • 16.10 • 15.10
Teradata Viewpoint	Minimum: <ul style="list-style-type: none"> • 22.10
Veritas NetBackup	<ul style="list-style-type: none"> • 9.1 on 64-bit SLES 12 SP3 • 8.2 on 64-bit SLES 12 SP3 • 8.1 on 64-bit SLES 11 SP3 • 8.1 on 64-bit RHEL 7.3 <p>Note: Teradata patches for NetBackup are available from: https://support.teradata.com</p>
EMC Data Domain	6.1
IBM Spectrum Protect	<ul style="list-style-type: none"> • 8.1.13 • 8.1.6

New Features

Teradata Data Stream Architecture (DSA) is bundled in two components: Data Stream Extensions (DSE) and Data Stream Utility (DSU).

- DSE supports third-party backup applications such as Veritas NetBackup, IBM Spectrum Protect (DSA 16.20.50 and later), Amazon S3 (including Snowball), Azure Blob storage, and GCP Storage.
- DSU supports backup solutions, including disk file systems, EMC Data Domain DD Boost storage devices, Amazon S3 (including Snowball), Azure Blob storage, and GCP Storage, but not third-party backup applications.

DSA 17.20.04.00

- AJSE support at Job level.
- Proxy Server Support for cloud platforms.

DSA 17.20.03.00

- Java 11 Upgrade.
- ActiveMQ 5.17.2 Upgrade.
- DSA Repo Postgres Version Upgrade to 10.22.
- Certification of Data Path Encryption for other job types excluding migration jobs.

DSA 17.20

- Support for Analytics Database 17.20 Release.
- TDAActiveMQ Upgrade from 5.15.9 to 5.16.

- DSA Configuration and Validation Enhancements.
- GCP CMEK(Customer-Managed Encryption Keys) Support.
- Intuitive and Informative Error Message MVP2.
- Postgres to Postgres migration procedure.
- Postgres Upgrade to 10.17.

DSA 17.10.01.00

- Support 'clienthandler.properties' recovery during NFR.
- Intuitive and Informative Error Message MVP1.
- Update Postgres version used by the DSC repository to 10.15.

DSA 17.10

- Advance Job Status Enhancements (AJSE).
- Changed Block Backup Enhancement(CBBE).
- Incremental Restore with “include_DBC_Data” (Requires Analytics Database 17.20 or later).

DSA 17.06

Supports Google Cloud in the BAR portlets.

Provides support for multiple network fabrics.

DSA 17.05

No new features for this release.

New Features for DSA 17.02.02

Provides support of DSA on the following versions of SLES 12 SP3 for cloud and on-premises platforms.

- Cloud: SLES 12 SP3-TDC
- On-premises: SLES 12 SP3-STND

New Features for DSA 17.02

- Provides command line support for Google Cloud Platform. BAR Portlet support is not yet available.
- Migrated DSC repository from Analytics Database to Postgres.
- The repository backups are now backed up to a landing zone, from there it can be replicated to third party storage, Amazon S3, Azure Blob, DD Boost, NetBackup, and disk file system.

New Features for DSA 17.00

No new features for this release.

Release Notes

Backup solutions (DDBoost, NetBackup, or Disk File System) previously used for repository with Teradata cannot be modified after the repository has migrated to Postgres. You can still use them, you just cannot modify them.

Improvements

Improvements are new features and changes that enhance product operation. JIRA numbers for improvements are listed in the following table.

DSA 17.20.04.00

Improvement	Description
DSA-35083	DSA's python-3.5.9-7 RPM install interferes with Certlist updates of python 2.7 RPMs.
DSA-36130	getRemoteMediaTargetsWithStorageUnitByTargetId should be based on targetid as well as configurationid.
DSA-36771	DSA AXMS3 Proxy Server Support.
DSA-36935	Job Plan improvement required, for expanded systems.
DSA-37254	tdactivemq_wrapper.py does not support python3.
DSA-37289	Child database that was not remap when doing restore copy would overwrite the existing data on the child database.
DSA-37298	AXMSpectrum -- Previous FULL Backup save set not getting automatically expired for COMPLETED_ERRORS SaveSet.
DSA-37566	DSA Support for AJSE enable using Job level Option.
DSA-37778	DSC is limiting GCP Account Name to max 63 chars long but Google Service Account can be 83 chars long.
DSA-37843	Backup Job deleted from BAR Portlet(Viewpoint) is not getting save set deleted from Storage.

DSA 17.20.03.00

Improvement	Description
DSA-35841	To provide forceful deletion mechanism for Delete Save Set associated with Restore Job.
DSA-28371	sync_save_sets command status update should be provided to the user.
DSA-33620	Allow user option to cancel sync_save_set.

DSA 17.10.01.00

Improvement	Description
DSA-28152	Support 'clienthandler.properties' recovery during NFR.
DSA-29144	Intuitive and Informative Error Message MVP1.
DSA-30183	Update Postgres version used by the DSC repository to 10.15.

DSA 17.10

Improvement	Description
DSA-7753	Advanced Job Status Enhancements.
DSA-13182	Change Block Backup Enhancement.
DSA-19261	IR Online only w/ DBC - Client.

DSA 17.06

Improvement	Description
DSA-24961	Support for multiple fabric definitions

DSA 17.05

None for this release.

DSA 17.02.02

Improvement	Description
DSA-25296	Support DSA on SLES 12 SP3 (SLES 12 SP3-TDC) for all Cloud platforms
DSA-23830	AXMS3 needs to adopt virtual-hosted style addressing instead of path style
DSA-9351	Support DSA on SLES 12 SP3 (SLES 12 SP3-STND) for on-premises platforms

DSA 17.02

Improvement	Description
DSA-19307	DSU Support for Google Cloud Platform

DSA 17.00

Improvement	Description
DSA-165	DSA - JSE - Report byte/row counts more frequently so users can see detailed progress of DSA jobs
DSA-166	DSA - JSE - Report progress during dictionary phase of jobs
DSA-167	DSA - BAR operations: Auto-refresh and show more status/errors while job running
DSA-169	DSA - Auto discover default soft & hard limits instead of requiring client to supply these values.
DSA-174	DSA - Installer integration into Data Mover
DSA-176	DSA - Add job level streams setting when running data mover job rest API
DSA-193	DSA - Add an option for user to skip Join & hash Indices on a restore

Resolved Issues**DSA 17.06**

None for this release.

DSA 17.05

None for this release.

DSA 17.02

Issue	Description
DSA-25006	Allow any online media server to remove SaveSet/query backupids/delete saveset for NBU /AWS/Azure target group type
DSA-25050	The code to query backupids doesn't pass media server used in the backup jobplan.
DSA-25051	The code to check leastUsed media server might skip the target if there is media server in the target group is not used in the backup jobplan.
DSA-13566	DSC Repository Postgres Migration
DSA-14582	PostGres New feature - Ability to Replicate Repository Backup Metadata to S3
DSA-14584	PostGres New feature - Ability to Replicate Repository Backup Metadata to Azure
DSA-25481	Next IR restore rejected with error save set has been already restored

DSA 17.00

Issue	Description
DSA-20681	DSC should not have attempted to map data files from media server 2's containers to media server 1, when such a mapping wasn't present in the target group map definition.
DSA-21062	dsc.console.log is being created with world writable permissions.
DSA-21064	clienthandler.log is being created with world writable and executable permissions.
DSA-21273	BarNC Client Handler for Spectrum failing on Bad Request: URI match failed.
VPDSA-287	Rename "Region" field in Azure backup application configuration.
VPDSA-306	BarSetup - User can't modify the saved target group if the tg name listed out of page.
VPDSA-311	BarSetup - AWS: target group map selection doesn't retain when editing the mapping.

Open Issues

No unresolved issues were found.

Additional Information

Changes and Additions

Date	Release	Description
March 2023	17.20.04.00	Includes new features and enhancements.
November 2022	17.20.03.00	Includes new features and enhancements.
October 2021	17.20	Includes new features and enhancements.
July 2021	17.10.01.00	Includes new features and improvements.
March 2021	17.10	Initial release.
January 2021	17.06	Initial release.
September 2020	17.05	Initial release.

Teradata Links

Link	Description
https://docs.teradata.com/	Search Teradata Documentation, customize content to your needs, and download PDFs. Customers: Log in to access Orange Books.
https://support.teradata.com	Helpful resources in one place: <ul style="list-style-type: none"> • Support requests • Account management and software downloads • Knowledge base, community, and support policies • Product documentation • Learning resources, including Teradata University
https://www.teradata.com/University/Overview	Teradata education network
https://support.teradata.com/community	Link to Teradata community

Related Documentation

Title	Publication ID
Teradata® DSA Release Definition Summarizes new features and fixed issues associated with the release.	B035-3154

Title	Publication ID
<i>Teradata® DSA User Guide</i> Describes how to use the Teradata Data Stream Architecture (DSA) portlets and command-line interface.	B035-3150
<i>Teradata® DSA - DSE for Veritas NetBackup Installation, Configuration, and Upgrade Guide</i> Describes how to configure Data Stream Extensions software and devices.	B035-3151
<i>Teradata® DSA - DSU Installation, Configuration, and Upgrade Guide</i> Describes how to configure Data Stream Utility software and devices.	B035-3153
<i>Teradata® DSA - DSE for IBM Spectrum Protect Installation, Configuration, and Upgrade Guide</i> Describes how to configure Data Stream Extensions software and devices.	B035-3155
<i>Teradata® DSA Quick Start Guide</i> Guides you through a simple set up to verify connections.	B035-3156
<i>Teradata® Viewpoint User Guide</i> Describes the Teradata Viewpoint portal, portlets, and system administration features.	B035-2206
<i>Teradata® Viewpoint Installation, Configuration, and Upgrade Guide for Customers</i> Describes how to install Viewpoint software, configure settings, and upgrade a Teradata Viewpoint server.	B035-2207
<i>Parallel Upgrade Tool (PUT) Reference</i> Describes how to install application software using PUT.	B035-5716
<i>Teradata Vantage™ - Database Administration</i> Describes how to administer the Analytics Database.	B035-1093
<i>Teradata® VantageCore VMware - Base, Advanced, Enterprise Tiers Getting Started Guide</i>	B035-5958
<i>Teradata® VantageCloud Enterprise on AWS (DIY) Installation and Administration Guide</i> Describes how to deploy and configure Teradata software components to run in the AWS public cloud.	B035-2800
<i>Teradata Vantage™ on Azure (DIY) Installation and Administration Guide</i> Describes how to deploy and configure Teradata software components to run in the Azure public cloud.	B035-2810