

More Analytics, More Data, Less Data Prep



Optimizing data preparation with SAS and Teradata

Data is only valuable if you can use it. More data equals more opportunity, but unless you can harness its value, having more data only adds cost and complexity to your analytics processes. SAS and Teradata understand this and have developed a proven solution actively used by thousands of customers. Our solution helps them quickly access, prepare and start building models using huge volumes of data in seconds. It minimizes, streamlines and/or eliminates data movement, works with both SAS[®] 9.x and SAS[®] Viya[®], and is available for you to start using today.

SAS[®] Viya[®] and SAS[®] 9 users can also benefit from Teradata's high-speed BYNET and multiparallel processing to dramatically reduce data transfer time and streamline data movement.

Accessing all of your data

Teradata Vantage™ supports multiple data types, scales up or down to meet your needs and provides cutting-edge parallel processing necessary to manage and manipulate data. Combined with SAS Analytics, it can drastically reduce the time you spend preparing data, thus allowing you more time to do analytics.

The combined solution does this by automating SAS data preparation functions and executing them within the SQL engine of Teradata Vantage – without moving the data. Using the SAS/ACCESS[®] Interface to Teradata, SAS users can harness the powerful database capabilities of Teradata Vantage directly from their SAS interfaces. SAS/ACCESS Interface to Teradata automatically translates SAS data management functions into Teradata SQL and executes them in-database within Vantage. By doing this, it allows users to:

- Manipulate billions of rows of data in seconds without moving the data.
- Quickly bulk load data to/from SAS or Teradata for testing and experimentation.
- Reduce storage requirements by using Teradata's advanced data compression.
- Automatically translate requests between systems to handle different data-type formats (month, date, today, etc.) and special variables (nulls, missing values, etc.).
- Use hundreds of advanced SQL functions available within Vantage that can be run in-database using the SAS PROC SQL function.

Optimize your data prep today

Simplifying how customers use their data to produce more sophisticated and valuable analytics is the cornerstone of the SAS and Teradata partnership. That's been our motivation for more than 20 years and continues today. And it enables our customers to use all of their data, regardless of the type and location, to quickly build the most sophisticated analytics imaginable. And the benefits only get better used within cloud and hybrid environments where data movement gets more difficult and expensive.

To learn how you can implement these advanced features with the SAS and Teradata software you already have, contact our SAS and Teradata experts by emailing sas@teradata.com or requesting more information from your local account representative of either company.

List of SAS/ACCESS® Interface to Teradata base procedures

SAS/ACCESS Interface to Teradata includes standard procedures that can automatically be run in-database to minimize data movement and improve modeling times.

- PROC APPEND
- PROC CONTENTS
- PROC COPY
- PROC DATASETS
- PROC DELETE
- PROC FORMAT
- PROC FREQ
- PROC MEANS
- PROC PRINT
- PROC RANK
- PROC REPORT
- PROC SORT
- PROC SQL
- PROC SUMMARY
- PROC TABULATE

About SAS and Teradata

SAS and Teradata help customers create optimal and agile data and analytics environments. Our offerings combine the strengths of SAS industry-leading analytics and data management with the power of Teradata Vantage. These solutions are also backed by well-defined services delivered by SAS and Teradata skilled professionals for quick implementations and rapid return on investment.

Together, we are pioneers delivering the following benefits through our integrated platform:

- Integrated technology to effectively manage complex data and analytics.
- Support for the full analytics life cycle - from data access and data discovery to model deployment.
- Rapid implementation and time to value with experienced implementation resources.
- Flexibility and agility with on-site, cloud and hybrid deployment options.
- Minimal business risk due to proven success and customer validations.



For more information: sas.com/teradata or [Teradata.com/SAS](https://teradata.com/SAS)

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