

# **The Teradata Plugin For Dataiku**

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Dataiku is a collaborative Data Science platform that enables teams of people with different data expertise, such as data engineers, data scientists and business analysts, to work together efficiently. Dataiku provides a broad set of built-in recipes (operations) that can be applied to transform or analyze a dataset. It also allows users to create their own recipes in Python, SQL or R. Further on, Dataiku features the use of plugins; these are custom, reusable recipes that users can program in Python with AngularJS-based user interfaces (UI).

Teradata Vantage users have been always able to establish Dataiku connections to target systems to perform a variety of tasks with data in Vantage. This has been possible by using the Dataiku visual recipes to explore and transform Vantage data by pushing down code for execution into Vantage nodes seamlessly through the recipes. Furthermore, in the past Teradata created plugins for Dataiku to expand and enhance the built-in interaction capabilities of Dataiku with Teradata Vantage. Recipes within the plugins provide select Vantage analytic tools wrappers, so that you can push the corresponding operations into Vantage in a visual and SQL-less manner in the user-friendly style of the Dataiku environment.

The latest offering by Teradata is the [Teradata plugin for Dataiku](#). Since its version 2.0.0, the Teradata plugin has been a single, integrated assortment of all available recipes that provide Teradata Vantage functionality to Dataiku users. As of March 2024:

- The plugin supports all Teradata Vantage systems (VantageCloud Lake, VantageCloud Enterprise, and Vantage Core.)
- With the plugin, Dataiku and Teradata users can:
  - Access and execute analytic functions in the Analytics Database, namely the
    - Analytics Database analytic functions.
    - Vantage Analytics Library (VAL) functions set.
    - Unbounded Array Framework (UAF) time series functions.
  - Submit and run Python and R scripts natively in the Analytics Database for scaled and performant in-Vantage execution via Table Operator objects in the Analytics Database (APPLY with Open Analytics Framework in VantageCloud Lake, and SCRIPT in VantageCloud Enterprise and Vantage Core.)
  - Store Dataiku-built models as well as model in files in any of the PMML, ONNX, native Dataiku and H2O MOJO formats in Analytics Database tables.
  - Run scaled scoring tasks in the Analytics Database via the Bring Your Own Model Analytics Database software with PMML, ONNX, native Dataiku and H2O MOJO models users previously stored in Analytics Database tables.

The Teradata plugin for Dataiku is available via the Dataiku Plugin Store at the web address <https://www.dataiku.com/product/plugins/teradata>. Please refer to this page for the latest version and complete plugin information, including compatibility matrix, setting it up, and using the plugin recipes.

The Teradata plugin is actively developed, and its features are subject to change and alignment with the Teradata Vantage features. Releases of individual Teradata plugins prior to v.2.0.0 are deprecated. Newer Teradata plugin versions are backwards-incompatible with recipes built on pre-v.2.0.0 plugins, and any such recipes need to be rebuilt to operate.

For issues, support, remarks, comments, or suggestions about the plugin, please visit the Teradata Support website at <https://support.teradata.com>.