

Amazon QuickSight and Teradata Vantage

*Many Teradata customers are interested in integrating Teradata Vantage with AWS First Party Services. This Getting Started Guide will help you to connect Teradata Vantage with Amazon QuickSight.*

*The approach this guide explains is one of many potential approaches to integrate with QuickSight and is offered on an as-is basis. Although the approach has been implemented and tested internally, there is no formal support from either Teradata or Amazon Web Services on the approach.*

*We encourage your feedback. We want to understand what you found useful and how we can improve this guide.*

*Please send your feedback to* [*wenjie.tehan@teradata.com*](mailto:wenjie.tehan@teradata.com).

## Introduction

Using Teradata Vantage and Amazon QuickSight, you can do the following:

* **Get started quickly** – Sign in, choose a data source, and create your first visualization in minutes
* **Access data from multiple sources** – Use your own Teradata Vantage system in the cloud or on-premise, upload files, or connect to AWS data sources
* **Take advantage of dynamic visualizations** – Smart visualizations are dynamically created based on the fields that you select
* **Get answers fast** – Generate fast, interactive visualizations on large data sets
* **Tell a story with your data** – Create data dashboards and point-in-time visuals, share insights and collaborate with others

View Quicksight documentation here: <https://docs.aws.amazon.com/quicksight/latest/user/welcome.html>

## Getting Started

## Amazon QuickSight is a business analytics visualization service. The following steps will get you started using Teradata Vantage as a data Source. QuickSight supports Teradata software version 14.0 or later. QuickSight can connect to Teradata in the cloud or on-premises.

## Create a Data Set

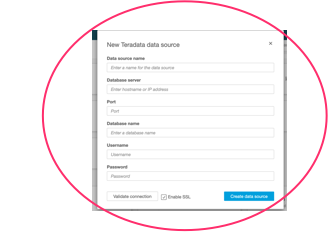
* Select “New Analysis”  
    
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* Select “New data set”

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* Select “Teradata”  
    
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* Enter data source information and credentials to connect to your Teradata system  
    
  
  + Teradata uses port 1025
  + Enabling SSL for your network connection is suggested.

## Preparing Data

You can choose one of the following:

* Choose tables

If you prefer to connect to specific tables or views select Choose tables.

Joining Tables

For information on joining tables in QuickSight please see the Amazon QuickSight Documentation.  
<https://docs.aws.amazon.com/quicksight/latest/user/joining-tables.html>

*For optimum performance on large datasets. We suggest using Custom SQL.*

* Custom SQL
  + You can write your own query with the **Use custom SQL** option. For best results compose your query in **Teradata Studio** and then past it into the window.
  + Select “Confirm query” to validate the SQL.  
      
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  + Select Directly query your data for the fastest results on large data sets residing from Teradata.

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* Edit/Preview data

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* Visualize analysis from your data set  
    
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## Next Steps

#### Typical workflow with Amazon QuickSight

### <https://docs.aws.amazon.com/quicksight/latest/user/welcome.html#next-steps-welcome>

The first time you create an analysis, the typical workflow looks like this:

1. Add or upload a data source and use it to create a new data set.
2. (Optional) Prepare the data – get it ready for reports by standardizing field names, or adding calculations, for example.
3. Visualize (create) a new analysis from the data set.
4. Choose some fields to create the first visual in the analysis. You can use AutoGraph to dynamically create a visual based on the number and type of fields you choose. Alternatively, you can choose the visual type you want to use.
5. (Optional) Make changes to the visual if you want to (for example, by adding a filter or changing the visual type).
6. (Optional) Add more visuals to the analysis. You can resize and arrange them in the workspace.
7. (Optional) Capture the analysis into a story to create a narrative about some aspect of the data analysis.
8. (Optional) Publish the analysis as a dashboard to share insights with other users.

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