
Vertica Knowledge Base Article

Vertica QuickStart for Oracle Business Intelligence Enterprise Edition

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Vertica QuickStart for OBIEE

The Vertica QuickStart for OBIEE is a sample BI application implemented as a set of OBIEE dashboards powered by the Vertica Analytic Database. The dashboards present sample retail data for analysis. The QuickStart shows how retail companies could use Vertica and OBIEE to quickly explore, visualize, and gain insight into their data stored in Vertica. The QuickStart sample application is available as a .zip file that contains the OBIEE application.

The Vertica QuickStart for OBIEE is posted for download at the following location:

<https://www.vertica.com/quickstart/vertica-quickstart-obiee/>

About the Vertica QuickStarts

The Vertica QuickStarts are free, sample applications created using front-end products from Vertica technology partners. For an overview, watch this short [video](#).

The QuickStarts are posted for download on [vertica.com/quickstart](https://www.vertica.com/quickstart).

Note The Vertica QuickStarts are freely available for demonstration and educational purposes. They are not governed by any license or support agreements and are not suitable for deployment in production environments.

About OBIEE

Oracle Business Intelligence Enterprise Edition (OBIEE) is a Business Intelligence platform that includes capabilities such as ad-hoc querying, interactive dashboards, and mobile analytics. OBIEE helps businesses analyze data to make strategic business decisions. For details about OBIEE, visit the [OBIEE website](#).

Requirements

The Vertica QuickStart for OBIEE requires a Vertica database server with a standard installation of the VMart example database, a Vertica client driver, and OBIEE 11.1.1.7.0 or later.

The deployment of this QuickStart was tested on OBIEE 11.1.1.7.0 using Vertica 7.2.2. All versions of 7.2.x should work with the QuickStart application, but other versions may not have been tested.

Installation and Setup

To install the software that is required for running the QuickStart, follow these steps.

- [Install the Vertica Database Server](#)
- [Install the VMart Example Database](#)
- ["Install OBIEE" on the next page](#)

- ["Download and Install the Vertica Client Driver" below](#)
- ["Create an ODBC Data Source Name \(DSN\)" below](#)

Install the Vertica Database Server

If you do not already have Vertica, you can download the Community Edition free of charge:

1. Navigate to [Vertica Community Edition](#).
2. Log in or click **Register Now** to create an account
3. Follow the on-screen instructions to download and install the Vertica Community Edition.

Install the VMart Example Database

The Vertica QuickStart for OBIEE assumes a default installation of the Vertica VMart example database.

To install VMart, follow the instructions in the Vertica documentation:

- [Introducing the VMart Example Database](#)
- [Installing and Connecting to the VMart Example Database](#)

For details, see [VMart Example Database Schema, Tables, and Scripts](#).

Install OBIEE

You can download the latest version of OBIEE from the [Oracle Business Intelligence 12c Downloads page](#). Follow the instructions to install OBIEE as an administrator.

Download and Install the Vertica Client Driver

OBIEE uses the ODBC driver to connect to Vertica. Before you can connect to Vertica using OBIEE, you must download and install the Vertica client package. This client package includes the ODBC driver that OBIEE uses to connect to Vertica.

To download and install the Vertica client package:

1. Go to the [Vertica Client Drivers](#) page on [vertica.com](#).
2. Download the Vertica client package that matches your operating system and the version of Vertica that you are using.
3. Follow the steps for installing the Vertica client as described in the [Vertica documentation](#).

Note Vertica drivers are forward compatible, so you can connect to the Vertica server using previous versions of the client. For more information, see [Client Driver and Server Version Compatibility](#) in the Vertica documentation.

Create an ODBC Data Source Name (DSN)

You must create a DSN to use the ODBC driver to connect to Vertica. You can set up either a 64-bit DSN or a 32-bit DSN, depending on your operating system.

Follow these steps to create a DSN:

1. Navigate to the appropriate folder, depending on which DSN you need to install:
 - 64-bit DSN: **Start > Control Panel > Administrative Tools > Data Sources (ODBC)**
 - 32-bit DSN: Navigate to C:\Windows\SysWOW64 and locate the program file called exe
2. The ODBC Data Source Administrator window displays. In the **System DSN** tab, click **Add**.
3. In the **Create a New Data Source** dialog box, select **Vertica driver** and click **Finish**. The Vertica ODBC DSN configuration dialog box appears.
4. In the **Basic Settings** tab, enter the following required fields:
 - DSN Name
 - Server
 - Database
 - User Name
5. Click **OK**. The Vertica ODBC DSN configuration window closes. Your new DSN is listed in the ODBC Data Source Administrator window.
6. Click **OK** to close the ODBC Data Source Administrator window.

For more information, see [Creating an ODBC Data Source Name \(DSN\)](#) in the Vertica documentation.

Download the QuickStart

1. Navigate to vertica.com/quickstart
2. Select **Vertica QuickStart for OBIEE**.
3. Log in or create an account.
4. Click **Download**.

Deploy the QuickStart for OBIEE Dashboards

The VerticaQuickStartforOBIEE file contains the following:

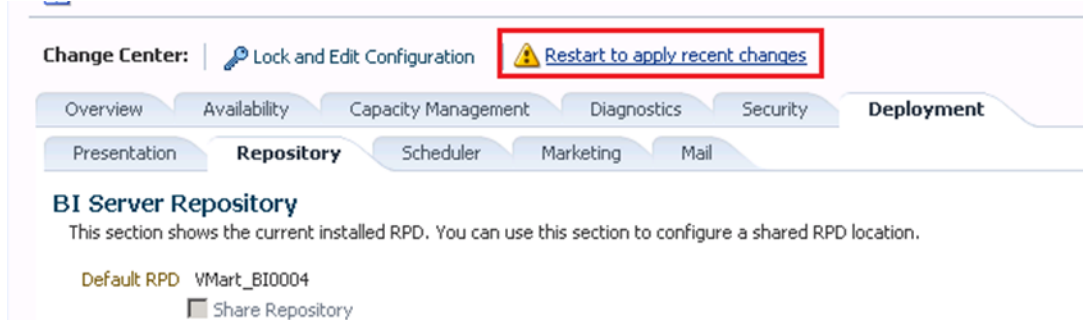
- VMart BI0011.rpd: The RPD (repository) file contains the metadata information and the information about the defined data model of VMart.
- VerticaQuickStartforOBIEE.catalog: The catalog file. The catalog is a storehouse where all the reports, prompts, and filters used in the VMart dashboards are placed.

Upload RPD File

To upload the RPD file, follow these steps:

1. Verify that the OBIEE server is running and all BI components are up. Navigate to your web browser.
2. Navigate to the Enterprise Manager located at <http://hostmachineIP:7001/em> to upload the RPD file that is kept in the VerticaQuickStartforOBIEE folder.
3. Enter your username and password.

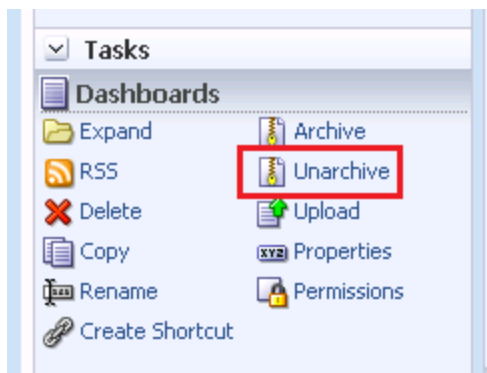
4. Click **Sign In**.
5. From the left panel, click the **Business Intelligence Folder** and select **coreapplication**.
6. Click the **Deployment**
7. Click the **Repository**
8. Click **Lock and Edit Configuration**. The Lock and Edit confirmation window appears. Close the window.
9. From the Upload BI Server Repository section, click **Browse**.
10. Select the repository file, named **rpm**.
11. Enter the password **Admin123**.
12. Confirm the password by entering it again.
13. Click **Activate Changes**. The Activate Changes confirmation window appears. Close the window,
14. Click **Restart to apply recent changes**.



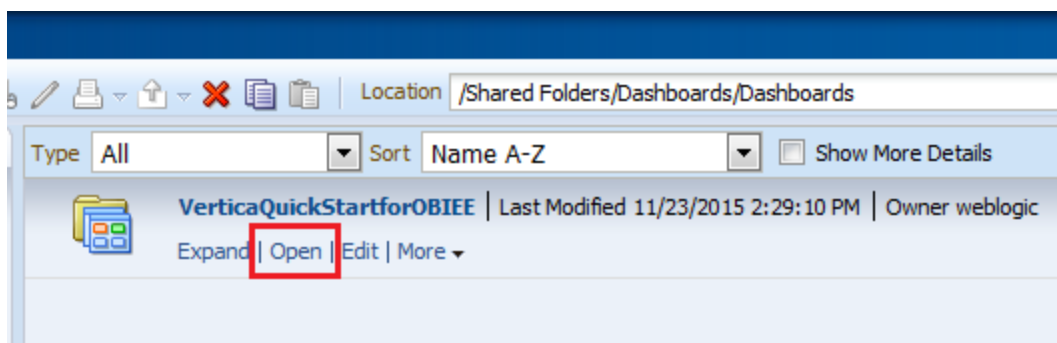
15. Click the **Restart** tab.
16. When asked if you want to restart all BI components, click **Yes**.
The RPD is successfully uploaded.

Deploy the VMart OBIEE Catalog

1. Open your web browser.
2. Navigate to `http://hostmachineIP:9704/analytics` to upload the VMart catalog file.
3. Enter your username and password.
4. Click **Sign In**.
5. On the top of the dashboard, click the **Catalog**
6. On the left Folders panel, click **Shared Folders > Dashboards**.
7. Click the **Unarchive** tab.



8. Click **Browse**.
9. Click **Open**.



The VMart dashboard opens.

QuickStart Example Dashboards

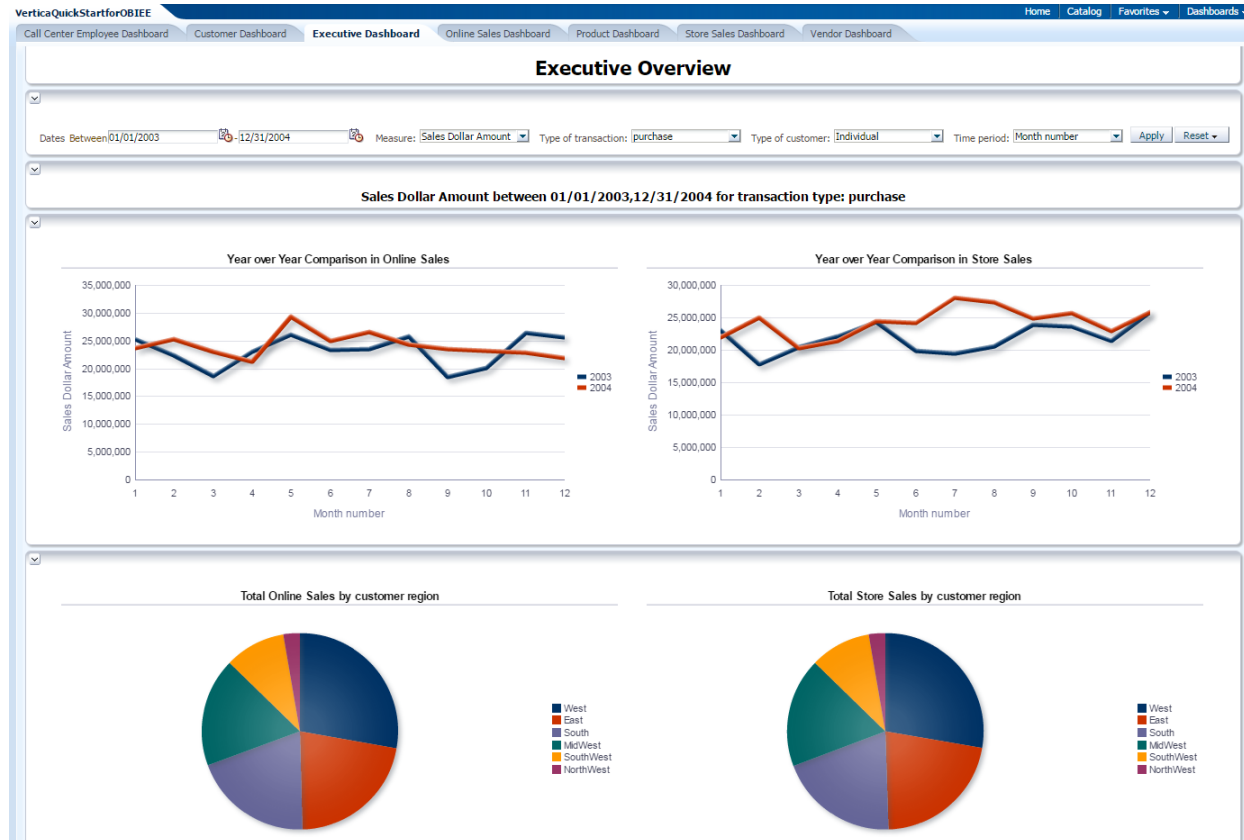
The QuickStart dashboards present sample business and operational data from the VMart example database that a large retail chain might track over time. The chain operates brick-and-mortar stores and an online marketplace. It sells a wide variety of products that it purchases from different vendors. This section shows some of the example dashboards.

Note The data in your dashboards will not match the data in the screenshots in this document. This is because the VMart data generator generates data randomly.

Executive Dashboard

The Executive Dashboard presents a high-level view of business data. You can use this dashboard to analyze the overall functioning of the business over time.

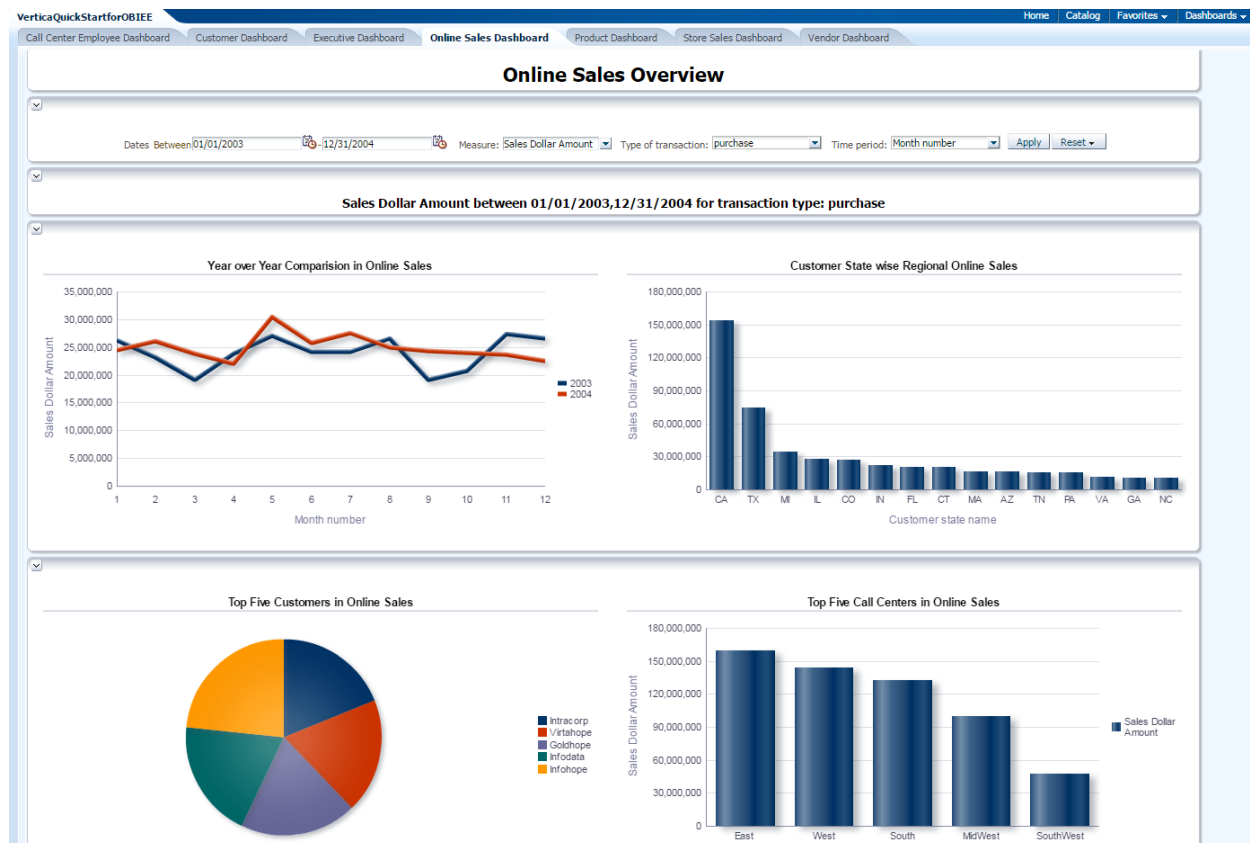
In this instance, you can see a summary of sales purchases between 2003 and 2004. You can filter selections using the dropdown menus at the top of the dashboard.



Online Sales Dashboard

The Online Sales Dashboard presents an overview of the online business. You can use this dashboard to analyze the performance of the chain’s online sales over time.

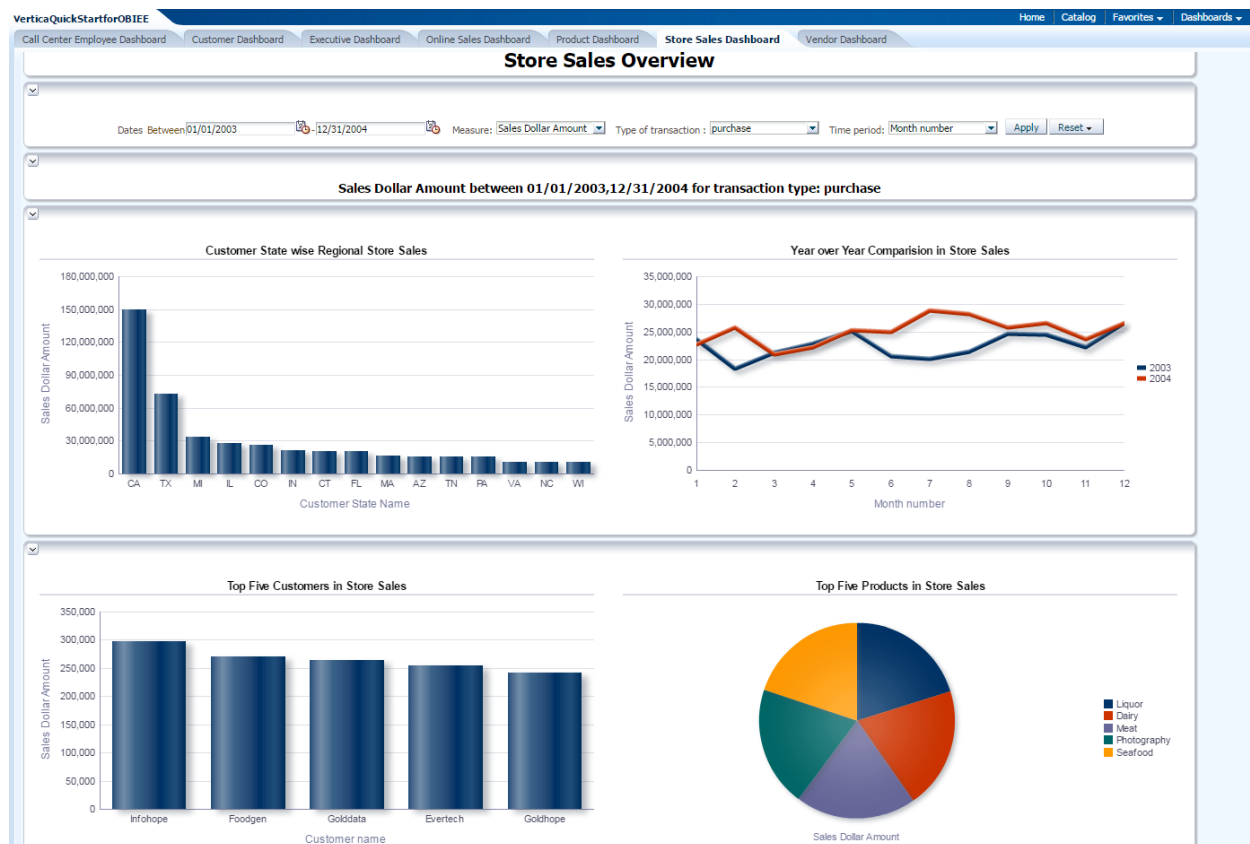
In this dashboard, you can see that 2004 had higher sales over time than 2003. You can also see that online sales are highest in California and Texas, with Virginia, Georgia, and North Carolina showing the lowest sales.



Store Sales Dashboard

The Store Sales Dashboard presents an overview of the traditional business conducted in the brick-and-mortar stores owned by this retail chain.

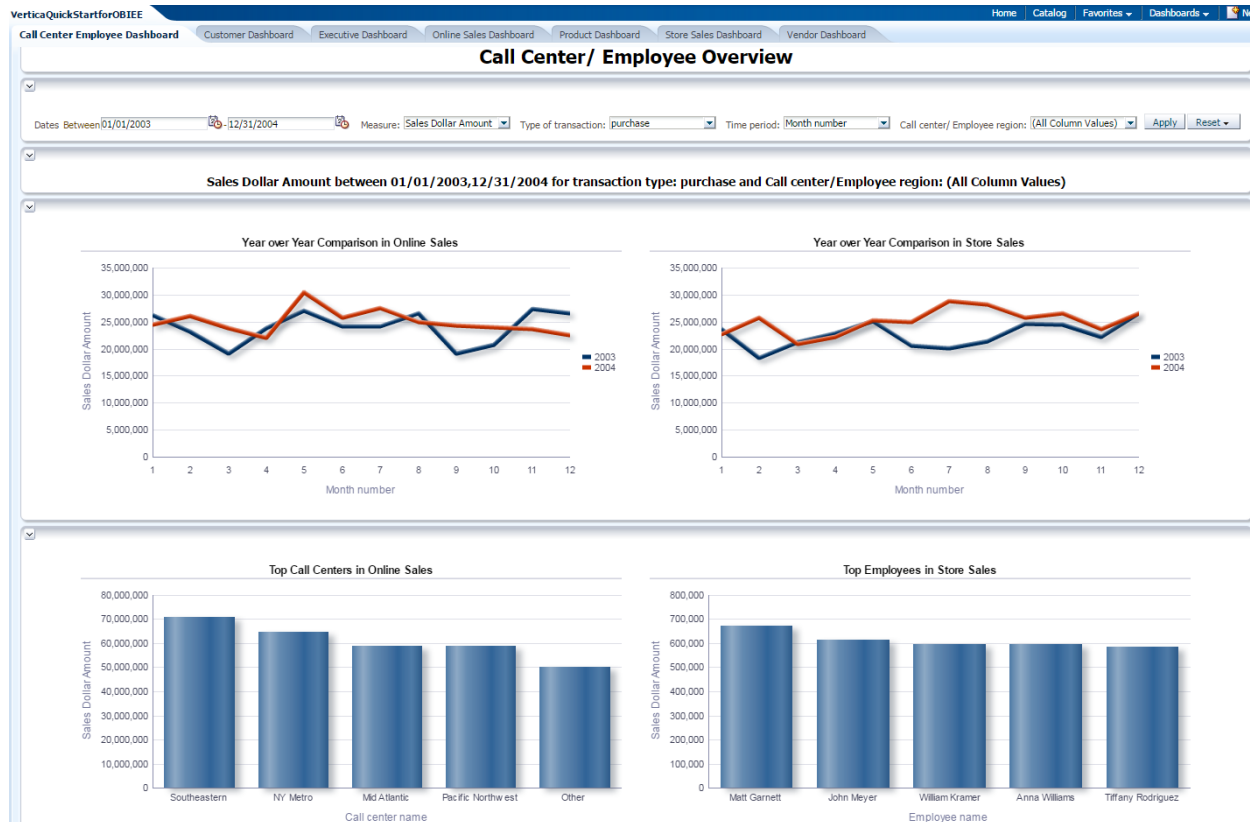
In this dashboard, you can see that store sales are clustered in California and Texas. You can also see that store sales are higher in 2004 than in 2003. This dashboard also shows information about products, and we can see that the distribution of store sales in the top 5 products is relatively even.



Call Center/Employee Overview Dashboard

The Call Center/Employee Dashboard presents a look at both employee regional data as well as information about the different call centers.

In this dashboard, you can look at information about the top call centers and top employees. You can also compare information about online and store sales.



For More Information

- [Oracle Business Intelligence Enterprise Edition \(OBIEE\)](#)
- [Vertica Integration with OBIEE: Connection Guide](#)
- [Configuring OBIEE for Optimal Performance with Vertica](#)
- [Vertica Community Edition](#)
- [Vertica User Community](#)
- [Vertica Documentation](#)