

User Guide



Valerus Internet Access

XX285-98-02



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Table of Contents

General	3
Valerus Events Database Settings.....	3
Using an Existing SQL Database	3
Creating a SQL Database on a Separate PC.....	7
Valerus Events Database Configuration	11

General

Starting at Valerus version 20, an Events Database (Microsoft® SQL™) is included and installed on the Application Server by default. Valerus also provides the ability to connect to and use a different Microsoft SQL server for those who have their own server or want the database to run on a different PC other than on the Application Server. To avoid the situation where, if the Application Server PC fails (and the Events Database along with it), the redundant server takes over and will not be able to access and save events, the Events Database **MUST** be configured to run on a separate unit that is accessible to both the Application Server and the redundant Application Server (the events will continue to be saved to that database).

Valerus Events Database Settings

Valerus includes the installation of a SQL Events Database onto the Application Server (version 20 minimum). This is a Microsoft SQL server that includes a VII Operational instance. Depending on the version of Valerus, additional databases will be created. From version 20R2 and up, there is a database named VMS, which stores all events and is used for Event Search, and a database named VMSDashboardSampling that stores audit logs, CPU, RAM and latency samplings. In the configuration process that follows, configuring the VMS database will automatically configure all the other databases, so there is no need to handle each separately

If you want to use an existing (customer-provided) database or create a new Vicon one on a separate PC, that database must be set up first. Refer to appropriate section below. Then go to the Events Database Configuration page to change the location of the Events Database. Only one database is required per system. Changing the user credentials is also done from this page.

Note: If you want to use the preinstalled Events Database on the Application Server, nothing is required on this screen.

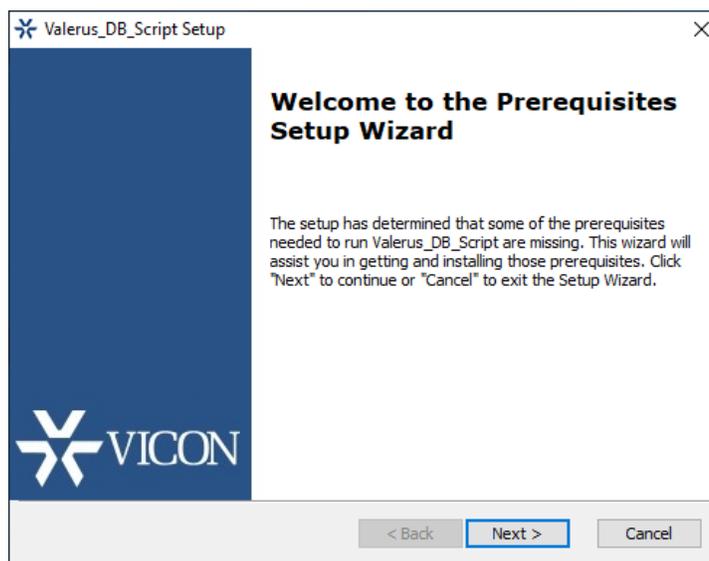
Using Your Own SQL Server

If a SQL server already exists and is to be used as the Events Database for Valerus, it must meet the prerequisite below:

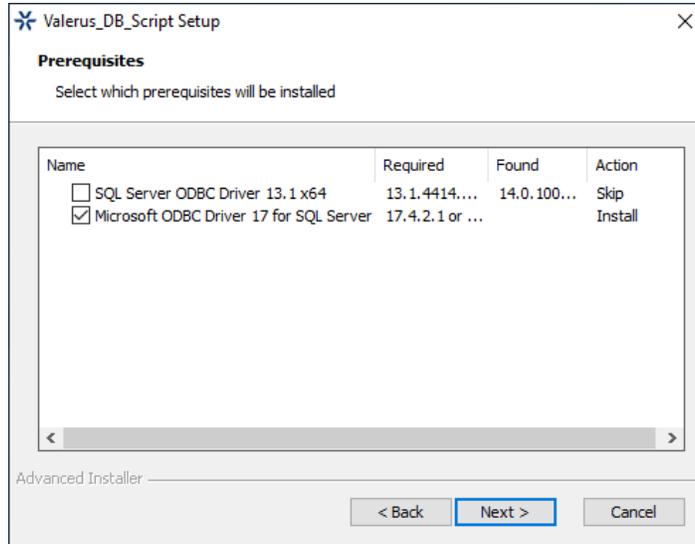
- Need ODBC Driver 17 for SQL Server. Port 1433 must be open in the firewall to allow Valerus to connect.

Use the VMS Database Installer to setup the existing external SQL server with the Valerus Events Database. Follow the step-by-step installation below. This Installer can be found on Vicon's website, www.vicon-security.com, Valerus Software Download page.

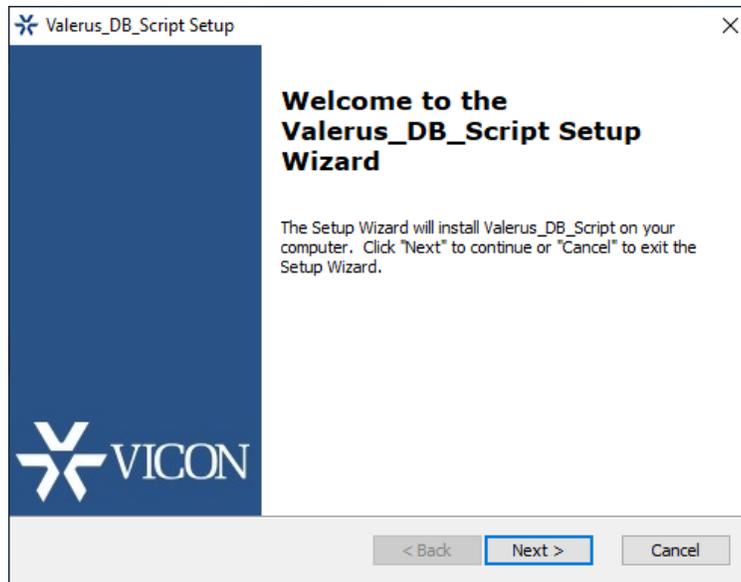
Step 1:



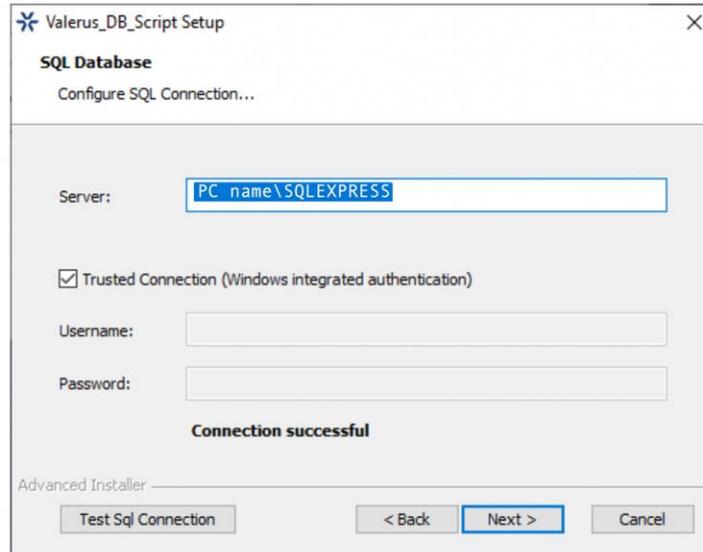
Step 2:



Step 3: After Prerequisites installation is complete the main installation will start.

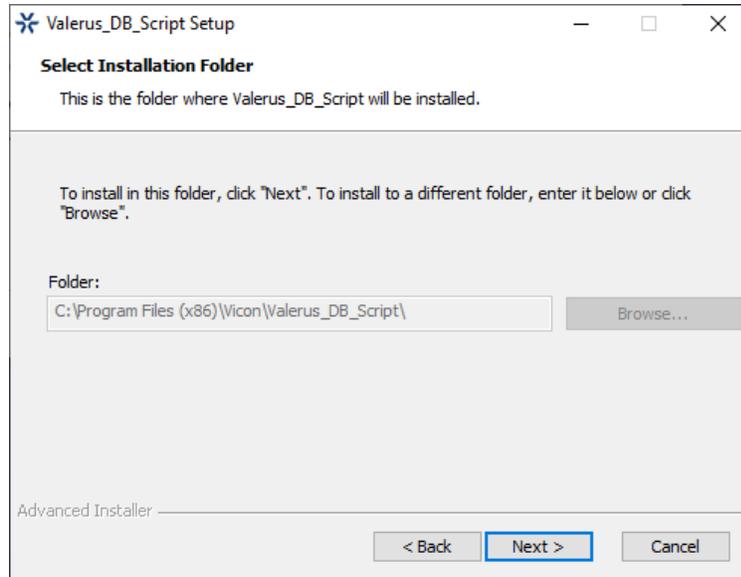


Step 4: Example Server Name: PC name\SQLEXPRESS (check with your System Administrator).

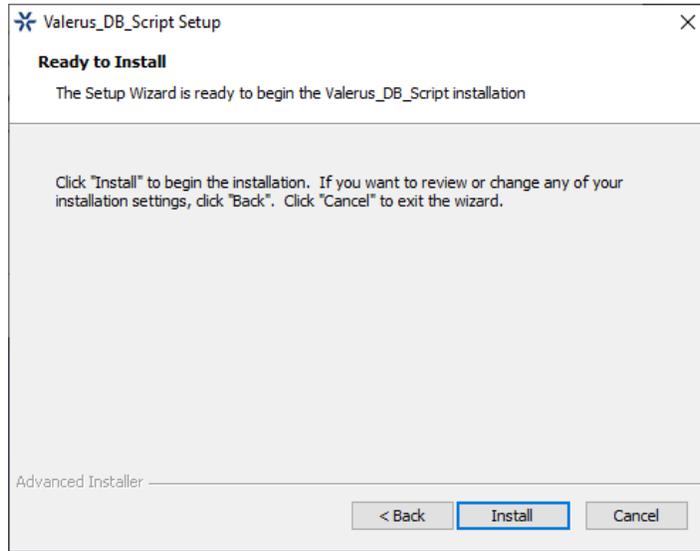


Note: Before clicking Next, ensure that the SQL connection status is **Successful** by clicking the "Test Sql Connection" button.

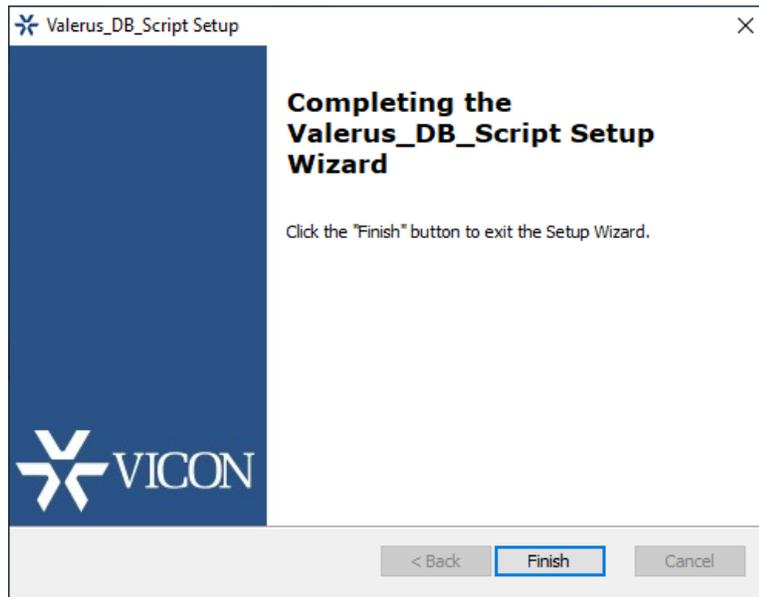
Step 5:



Step 6:



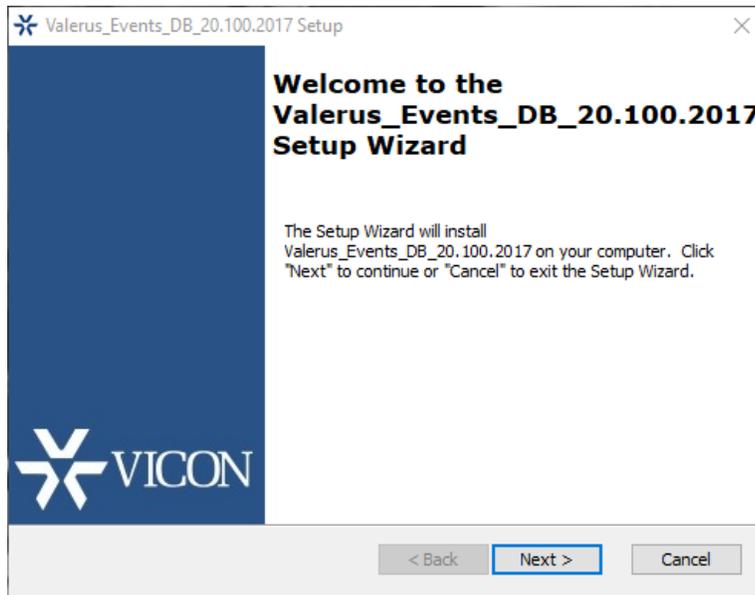
Step 7:



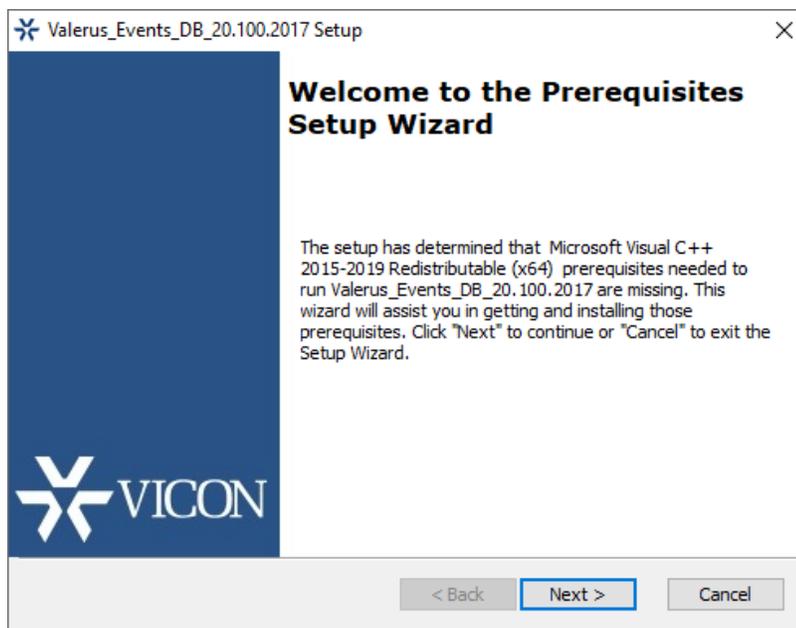
Installing the Valerus Events SQL Server on a Separate PC

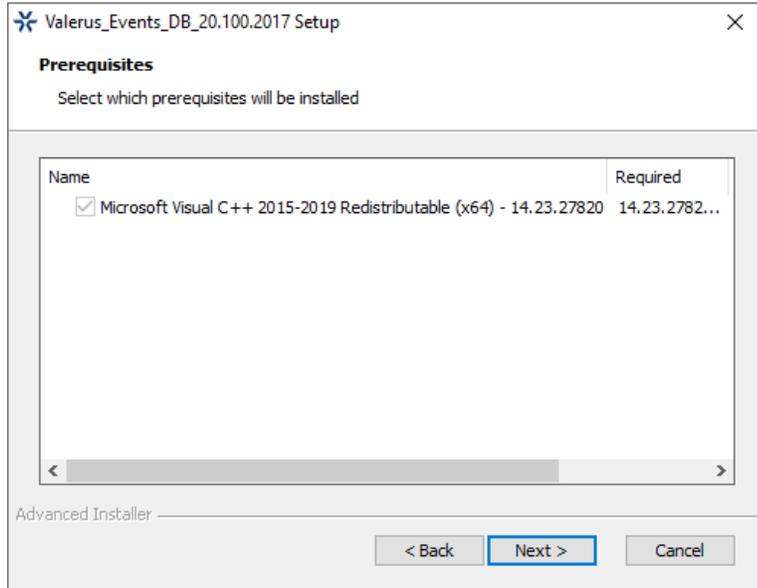
If you want to have your Events Database running on a PC other than the Application Server, use the Vicon Valerus Events Database Setup. This installs SQL Express and the Vicon Instance (VIIOPERATIONAL). This Installer can be found on Vicon's website, www.vicon-security.com, Valerus Software Download page. Follow the step-by-step installation below. Note that these screens are for reference only and the numbers will change with versions. Make sure to download the latest version from Vicon's website.

Step 1:

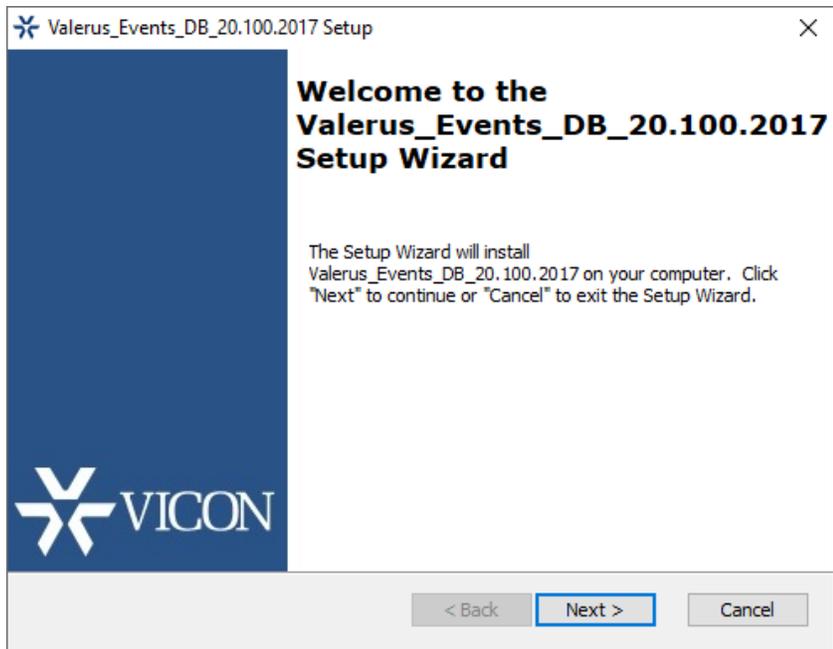


Step 2: Valerus_Event_DB_20.100.2017 installer will install prerequisite "Microsoft Visual C++ 2015 Redistributable (x64)" on that unit, if it is not already installed.

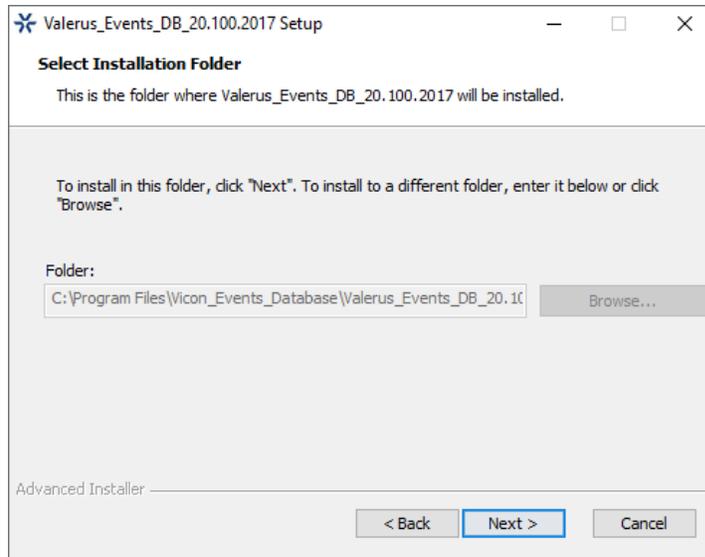




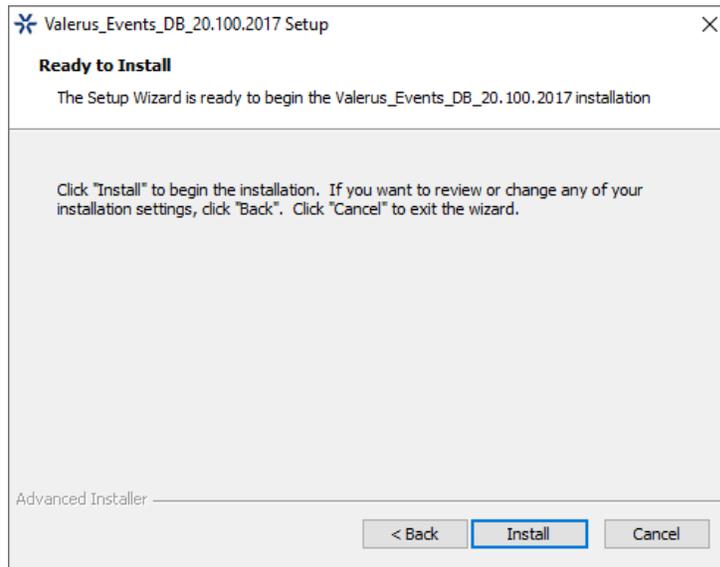
Step 3: After Prerequisites installation is complete the main installation will start



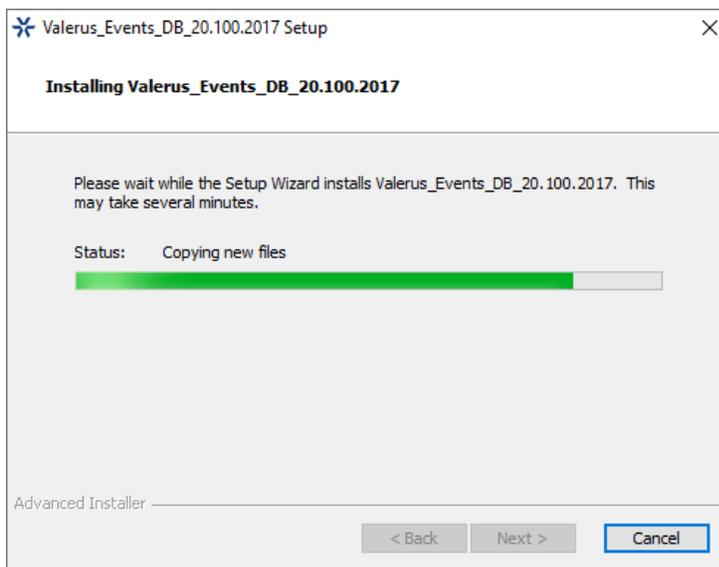
Step 4:



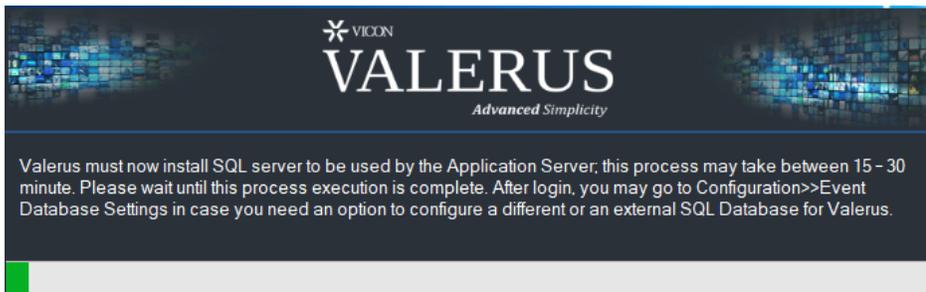
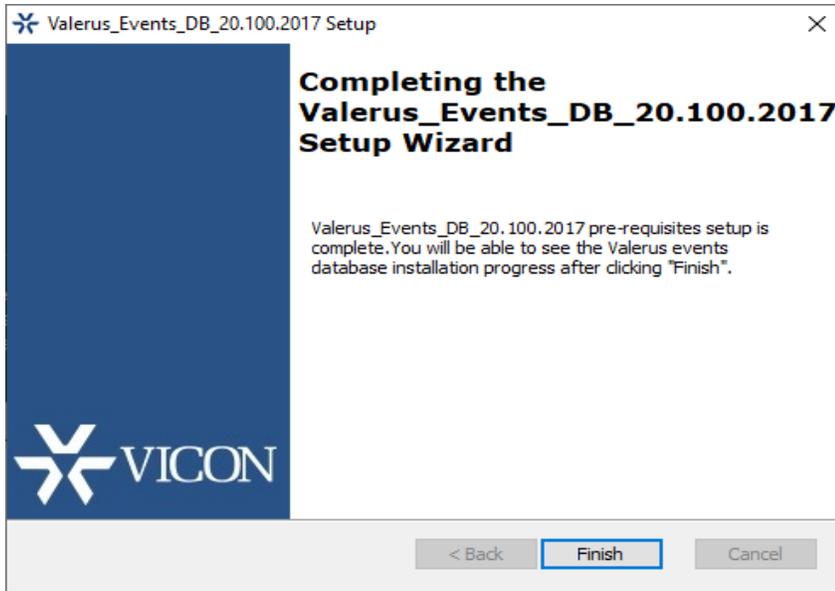
Step 5:



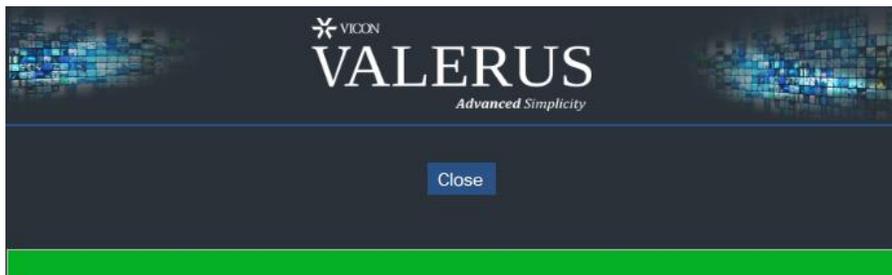
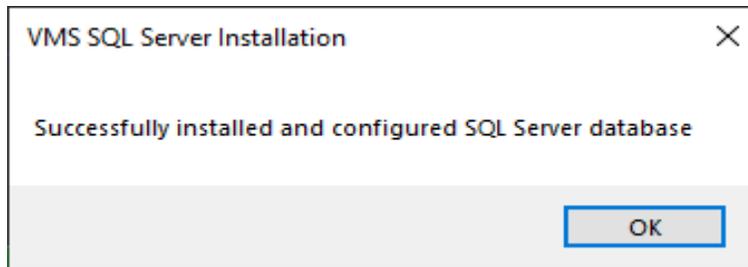
Step 6:



Step 7:

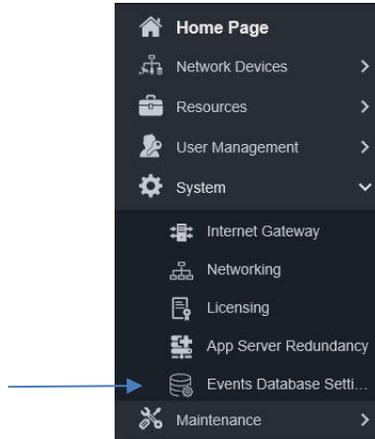


Step 8:

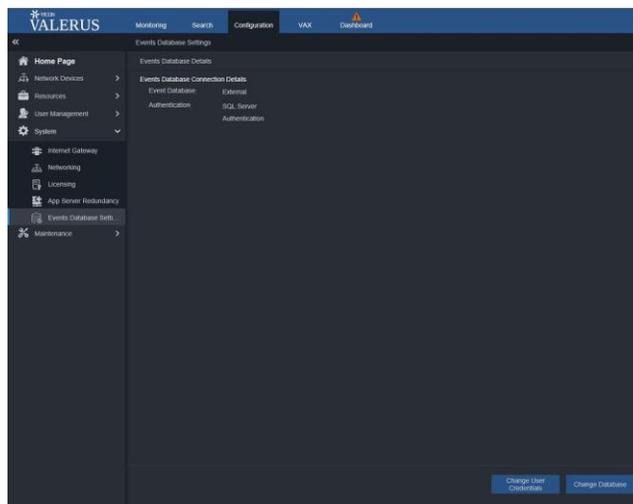


Valerus Events Database Configuration

In order to point your Valerus system to the newly installed SQL database, go to Configuration, System.



- Select Events Database Settings from the System dropdown. The following screen displays.



- Click Change Database. **Remember that this database server must be set up before it can be successfully changed in Valerus.**
- The following displays. Select the Event Database type from the dropdown, Vicon Provided for a Vicon database installed on another PC or External for a customer-provided SQL server, and the Authentication, SQL Server or Windows. Most systems use SQL Server Authentication; if your system is set up for Windows Authentication, select that from the drop down. Enter a Server Name\Instance name and the Database Name: VMS.

User Credential	
Event Database	Select Event Database Vicon Provided External
Authentication	
Server Name	
Database Name	

User Credential	
Event Database	Select Event Database
Authentication	Select Authentication SQL Server Authentication Windows Authentication
Server Name	
Database Name	

The screenshot shows a 'User Credential' form with the following fields: 'Event Database' (dropdown menu showing 'External'), 'Authentication' (dropdown menu showing 'SQL Server Authentication'), 'Server Name', 'Database Name', 'User Name', and 'Password'. All text input fields are empty. A 'Test Connection' button is located at the bottom right.

- The following must be entered:

On a Separate PC: Server Name must be the remote PC IP or host name\instance name (instance name is VIIOPERATIONAL).

The screenshot shows the 'User Credential' form with the following populated fields: 'Event Database' (External), 'Authentication' (SQL Server Authentication), 'Server Name' (192.168.0.121\VIIOPERATIONAL), 'Database Name' (VMS), 'User Name' (sa), and 'Password' (represented by 10 dots). A 'Test Connection' button is at the bottom right.

On a customer's Existing Database: Server Name must be the remote PC IP or host name\instance name. The customer will have created their own instance name for their database; ask the System Administrator for details.

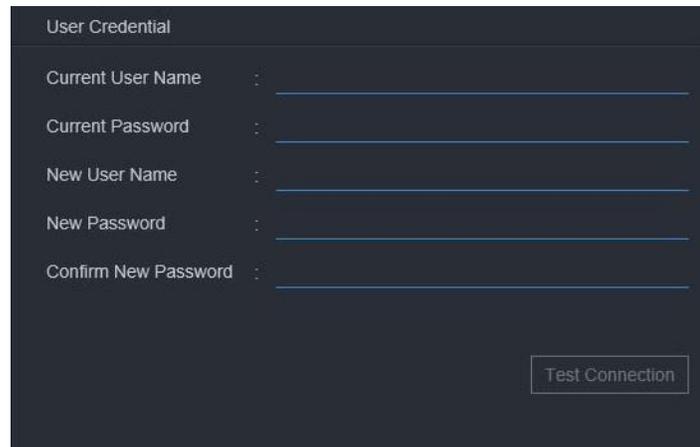
The screenshot shows the 'User Credential' form with the following populated fields: 'Event Database' (External), 'Authentication' (SQL Server Authentication), 'Server Name' (192.168.0.121\INSTANCENAME), 'Database Name' (VMS), 'User Name' (sa), and 'Password' (represented by 10 dots). A 'Test Connection' button is at the bottom right.

NOTE: The database name must be VMS and then this will apply to all the databases.

- When using SQL Server Authentication, the default user name and password for the Valerus database are: User name: sa; Password: Admin2017.

Note: ODBC Port 1433 must be open to allow Valerus to connect.

- ***Vicon strongly recommends changing the default password.***
- A test connection button is provided to assure that the connection can be made using the details provided. Click Save when complete or Cancel to abort the change.
- In order to change the credentials (from the default or when required), click Change User Credentials. The following displays. Enter the current user name and password and the new user name and password and confirm.



The image shows a dark-themed dialog box titled "User Credential". It contains five input fields, each preceded by a colon and a label: "Current User Name", "Current Password", "New User Name", "New Password", and "Confirm New Password". Each label is followed by a colon and a horizontal line representing the input field. At the bottom right of the dialog box, there is a button labeled "Test Connection".

- A test connection button is provided to assure the connection to the database. Click Save when complete or Cancel to abort the change.



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