

VWorks Automation Control 13.1.7 Setup Guide Addendum

For MySQL 8.0.18

This guide contains the following topics:

- "About this addendum" on page 2
- "Installing MySQL" on page 2
- "Installing and setting up a MySQL ODBC" on page 14
- "Connecting to the Inventory database" on page 18

About this addendum

This is an addendum to the VWorks 13 edition of the *VWorks Automation Control Setup Guide* (part number G5415-90067). This addendum is applicable if your system meets both of the following conditions:

- You are running VWorks 13.1.7 on Microsoft Windows 10 64-bit.
- Your system contains a device, such as a Labware MiniHub, that requires a database for the VWorks labware inventory management feature.

Note: The database may be configured already if the computer was provided by Agilent.

This addendum describes how to do the following:

- Install MySQL 8.0.18.
- Install and set up a MySQL 8.0.18 ODBC.
- Connect to the Inventory database for either of the following:
 - MySQL 5.7
 - MySQL 8.0.18

Installing MySQL

Before you start

Required installation files

Ensure you have the following installation files:

- VC_redist.x64.exe
- VC_redist.x86.exe
- mysql-installer-community-8.0.18.0.msi
- vworks_mysql_8.0.sql

This file is installed with the VWorks software in the following location:

C:\\Program Files (x86)\Agilent

Technologies\VWorks\Schema\vworks_mysql_8.0.sql

For assistance, contact Agilent Technical Support.

Required computer settings

Before you install the software:

- Log on to the computer as an administrator with full rights.
- In Microsoft Windows Explorer, select the following View > Show settings:
 - Select Hidden items.
 - Select File name extensions.

For detailed instructions, see the Microsoft Windows user documentation.

Installation and setup workflow

Step	For this task	See
1	Uninstall any existing MySQL versions, and then restart the computer.	"Uninstalling previous versions of MySQL" on page 3
2	Install MySQL Server 8.0.18	"Installing MySQL 8.0.18" on page 6
3	Install MySQL ODBC and set up the data sources.	"Installing and setting up a MySQL ODBC" on page 14
4	Connect to the VWorks database.	VWorks Automation Control Setup Guide for VWorks 13.

Uninstalling previous versions of MySQL

Before you uninstall:

Make a backup copy of your existing database before uninstalling it. To back up the Inventory database (velocity11), labware definitions, liquid classes, and pipetting techniques, see the *VWorks Automation Control User Guide*.

To uninstall MySQL:

- 1 Log on to the computer as an administrator.
- 2 In the Microsoft Windows desktop, go to **Settings > Apps & features**, and uninstall the following:
 - a MySQL Server
 - **b** MySQL Connector/ODBC
- **3** Restart the computer.
- **4** Verify that the MySQL service is completely removed:
 - **a** In Microsoft Windows Explorer, right-click the **This PC** icon. In the shortcut menu, click **Manage**. The Computer Management window opens.
 - **b** In the **Computer Management** window, click **Services and Applications > Services**.
 - c In the list of Services, ensure MySQL does not appear:
 - If MySQL does not appear, go to step 8.
 - If MySQL appears in the list, continue to step 5.

🚵 Computer Management							-	×
<u>File Action View H</u> elp								
🗢 🔿 🙍 📷 🙆 👔								
🔝 Computer Management (Local	O Services					Actions		
 	Select an item to view its description.	Name	Description	Status	Startup T ^	Services		•
> 🚺 Event Viewer		Microsoft Office Click-to-R	Manages re	Running	Automat	More	Actions	- F
> 😥 Shared Folders		🏟 Microsoft Passport	Provides pr		Manual (
> 👰 Local Users and Groups		Microsoft Passport Container	Manages Io		Manual (
> 🔊 Performance		Microsoft Policy Platform L		Running	Manual			
📇 Device Manager		Microsoft Policy Platform P		Running	Manual			
🗸 🚰 Storage		Microsoft Software Shadow	Manages so		Manual			
Disk Management		🎡 Microsoft Storage Spaces S	Host service		Manual			
Services and Applications		Microsoft Store Install Service	Provides inf		Manual			
Services		Microsoft Windows SMS Ro	Routes mes		Manual (
📸 WMI Control		Migration Agent Service	Migration A	Running	Automat			
		Natural Authentication	Signal aggr		Manual (
		Net Driver HPZ12			Automat			
		Net.Tcp Port Sharing Service	Provides abi		Disabled			
		() Netlogon	Maintains a	Running	Automat			
		A Network Connected Device	Network Co		Manual (
		Retwork Connection Broker	Brokers con	Running	Manual (🗸			
		<			>			
< >	Extended Standard							

5 In the list of Services, right-click MySQL and click Stop.

Note: If an error message appears and states that it is unable to stop, ignore the message.

- 6 Open the Command Prompt window, as follows:
 - a In the C:\Windows\System32 folder, right-click cmd.exe, and then select Run as administrator.
 - **b** Click **Yes** in the **User Account Control** dialog box that opens.



c Execute the following line in the Command Prompt window: sc delete MySQL <enter>



- 7 Check the registry keys for any references to old versions of MySQL as follows:
 - **a** Open the Registry Editor.
 - b Navigate to HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\MySQL AB\
 - c If present, delete MySQL Server 5.1 or MySQL Server 5.0.

🎬 Registry Editor				-	×
<u>File Edit View Favorites H</u> elp					
Computer\HKEY_LOCAL_MACHINE\SOFTWA	RE\	WOW6432Node			
> 🔄 Volatile	^	Name	Type	Data	
VOW6432Node		ab (Default)	REG SZ		
> Adobe			110_02		
> Agilent					
> Agilent Technologies					
> 📙 Caphyon					
> 🔤 Cisco					
> Classes					
> Clients					
> Cofense					
> Conexant					
> FileZilla 3					
- 📙 FileZilla Client					
> Google	~				
<		<			>

8 Restart the computer.



Ensure that you restart the computer after uninstalling th MySQL Server and MySQL Connector/ODBC.

Installing MySQL 8.0.18

Before installing MySQL 8.0.18, install the Microsoft Visual C++ redistributable package.

To install the Microsoft Visual C++ redistributable package:

- 1 Run the vc_redist.x64.exe file.
- 2 Follow the Setup Wizard instructions.
- **3** Run the vc_redist.x86.exe file.
- **4** Follow the Setup Wizard instructions.

Note: If the computer already has Microsoft Visual Studio 2017 or Microsoft Visual C++ 2017 Redistributable installed, the MySQL installer might not recognize that the VC 2015 Redistributable is installed even if it is. To fix this issue, go to Settings > Apps. In the Apps & features window, locate Microsoft Visual C++ 201, right-click, and then choose Modify. Click Repair when the installer window opens.

To install MySQL 8.0.18:

1 Run the mysql-installer-community-8.0.18.0.msi. The MySQL Installer setup wizard opens.

Note: If Visual Studio 2017 or the Visual C++ 2017 redistributable package is installed on the computer, the MySQL installer might display an error message stating that Visual C++ redistributable is not installed even if it is. To fix this, go to Apps and Features, select Microsoft C++ Redistributable, right-click and then select Modify. In the Microsoft C++ Redistributable Setup screen, click Repair.

2 In the Choosing a Setup Type page, select Custom, and then click Next.



3 In the Select Products and Features page, select the following Available Products and then click the right arrow to move each selection to Products/Features To Be Installed:

MySQL Servers > MySQL Server > MySQL Server 8.0 > MySQL Server 8.0.0.1.8- X64 MySQL Connectors > Connector/ODBC > Connector ODBC 8.0.18 - X86 Click Next.

MySQL. Installer Adding Community	Select Products and Feature Please select the products and features you	25 would like to install on this machine.
Choosing a Setup Type	Filter: All Software, Current Bundle, Any	Edit
Select Products and Features	Available Products:	Products/Features To Be Installed:
Installation Product Configuration Installation Complete	MySQL Servers MySQL Server 8.0 MySQL Server 8.0 MySQL Server 8.0 MySQL Server 8.0.18 - X64 Applications MySQL Connector/ODBC 8.0 Connector/ODBC 8.0 Connector/ODBC 8.0.18 - X64 Conne	MySQL Server 8.0.18 - X64 MySQL Server MySQL Server More and the server More and the server More and the server of th
	Published: Monday, October 7, 2019 Estimated Size: 55 M8 Release Notes: <u>http://dev.myral.com/doc/relnotes/conr</u>	rector-odby/en/news-8-0-16 html < Back Next > Cancel

4 In the **Installation page**:

- **a** Make sure that MySQL Server 8.0.18 and Connector/ODBC 8.0.18 are **Ready to Install**, and then click **Execute**.
- **b** When the installation is finished, click **Next**.

MySQL Installer			-		>
MySQL. Installer	Installation				
Adding Community	The following products will be installed.				
Choosing a Setup Type	Product MySQL Server 8.0.18	Status Ready to Install	Progress	Notes	
Select Products and Features	Connector/ODBC 8.0.18	Ready to Install			
Product Configuration					
Installation Complete					
	Click [Execute] to install the following packa	iges.			
		< <u>B</u> ack	Execute	<u>C</u> anc	el

5 In the **Product Configuration** page, click **Next.**

MySQL Installer		- 0
MySQL. Installer	Product Configuration	
	We'll now walk through a configuration	wizard for each of the following products.
Choosing a Setup Type	products.	to leave this wizard without conlighting all the
Select Products and Features	Product	Status
Installation	MySQL Server 8.0.18	Ready to configure
Product Configuration		
Installation Complete		
	<i>,</i>	
	×	
		Next > Cancel

6 In the High Availability page, select Standalone MySQL Server / Classic MYSQL Replication, and then click Next.

S MySQL Installer	- 🗆 X
MySQL. Installer MySQL Server 8.0.18	High Availability Standalone MySQL Server / Classic MySQL Replication Choose this option to run the MySQL instance as a standalone database server with the opportunity to configure classic replication later. With this option, you can provide your own
High Availability	high-availability solution, if required.
Type and Networking	The InnoDB cluster technology provides an out-of-the-box high availability (HA) solution for MySOL using Group Replication.
Authentication Method	
Accounts and Roles	
Windows Service	MySQL Shell
Logging Options	Client App \leftrightarrow MySQL Router
Advanced Options	InnoDB Cluster
Apply Configuration	Note: InnoDB cluster requires a minimum of three MySQL server instances to provide a fully automated HA solution. Members of a cluster should be located such that network communication latency between servers is low.
	Next > Cancel

- 7 In the **Type and Networking** page, specify the following:
 - Config Type > Development Computer
 - TCIP/IP > Open Windows Firewall ports for network access
 - Show Advanced and Logging Options

Click Next.

S MySQL Installer					-		×
MySQL. Installer MySQL Server 8.0.18	Type and Server Configu Choose the co define how m Config Type:	Networ uration Type mrect server co uch system re Developmer	king onfiguration type isources are assign at Computer	for this MySQL Se red to the MySQL	rver installation. This Server instance.	setting w	iu 1
Type and Networking	Connectivity]
Authentication Method	Use the follow	ing controls t	o select how you	would like to conr	nect to this server.		
Addientication Method		P	Port	: 3306	X Protocol Port:	33060]
Accounts and Roles		pen Windows	Firewall ports for	network access			
Windows Service	Name	ed Pipe	Pipe Name	MYSQL			
Logging Options	Share	d Memory	Memory Name	MYSQL			
Advanced Options	Advanced Co	nfiguration		<i>c</i>			.
Apply Configuration	Select the che and logging o	ck box below ptions for this Advanced an	to get additional o s server instance. Id Logging Option	sonfiguration pag	es where you can set	advanced	
				< <u>B</u> ack	<u>N</u> ext >	<u>C</u> ance	el

8 In the Authentication Method page, select Use Legacy Authentication Method (Retain MySQL 5.x Compatibility).

Click Next.

MySQL Installer	- 0
MySQL. Installer	Authentication Method
MySQL Server 8.0.18	 Use Strong Password Encryption for Authentication (RECOMMENDED)
	MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods. It is recommended that all new MySQL Server installations use this method going fnrovard.
High Availability	
Type and Networking	Attention: This new authentication plugin on the server side requires new versions of connectors and clients which add support for this new 8.0 default authentication (caching sha? password authentication).
Authentication Method	
Accounts and Roles	Currently MySQL 8.0 Connectors and community drivers which use libmysqlcient 8.0 support this new method. If clients and applications cannot be updated to support this new authentication method, the MySQL 8.0 Server can be configured to use the legacy MySQL
Windows Service	Authentication Method below.
Logging Options	Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)
Advanced Options	Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:
Apply Configuration	 If applications cannot be updated to use MySQL 8 enabled Connectors and drivers. For cases where re-compilation of an existing application is not feasible. An updated, language specific connector or driver is not yet available.
	Security Guidance: When possible, we highly recommend taking needed steps towards upgrading your applications, libraries, and database servers to the new stronger authentication. This new method will significantly improve your security.
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

9 In the Accounts and Roles page, type agilent for MySQL Root Password and Repeat Password fields.

Click Next.

MySQL Installer				-		×
MySQL. Installer MySQL Server 8.0.18	Accounts and Ro Root Account Password Enter the password for the place.	les root account. Please	e remember to store this pa	assword in a	a secure	
High Availability	MySQL Root Password:	•••••				
Type and Networking	Repeat Password:	••••••	h: Weak			
Authentication Method		russiloid sitelige				
Accounts and Roles						
Windows Service	MySQL User Accounts					
Logging Options	Create MySQL user accou consists of a set of privile	nts for your users an ges.	id applications. Assign a ro	le to the us	er that	
Advanced Options	MySQL User Name	Host	User Role		Add Use	r
Apply Configuration				[<u>E</u> dit Use <u>D</u> elete	ſ
			< <u>B</u> ack <u>N</u> e	ext >	<u>C</u> ance	

- 10 In the Windows Service page, specify the following:
 - Configure MySQL Server as a Windows Service
 - Make sure you specify the following:
 - Windows Service Name > MySQL
 - Start the MySQL server at System Startup
 - Run Windows Service as > Standard System Account

Click Next.

S MySQL Installer	×
MySQL. Installer MySQL Server 8.0.18	Windows Service ☑ Configure MySQL Server as a Windows Service
High Availability Type and Networking Authentication Method	Windows Service Details Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance. Windows Service Name: MySQL Windows Service Name: MySQL Start the MySQL Server at System Startup
Accounts and Roles	
Windows Service	Kun Windows Service as The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.
Advanced Options	 Standard System Account Recommended for most scenarios.
Apply Configuration	Custom User An existing user account can be selected for advanced scenarios.
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

11 In the Logging Options page, accept the default settings. Click Next.Note: The file paths are based on the computer name.

S MySQL Installer	- 🗆 X
MySQL. Installer MySQL Server 8.0.18 High Availability	Logging Options Please select the logs you want to activate for this server in addition to the error log. On production computers, it can be beneficial to separate the log files from the data. Specify a file name to save the logs in the data directory (default) or browse to a different location. You must provide an absolute path when specifying the path together with the file name.
Type and Networking	Error Log: DESKTOP-E8M1P63.err 🗠
Authentication Method	🔲 General Log
Accounts and Roles	The general query log is a general record of what the MySQL Server is doing. It should only be used to track down issues.
Windows Service	File Path: DESKTOP-E8M1P63.log
Logging Options	Slow Query Log
Advanced Options	The slow query log consists of SQL statements that took more than the given value of seconds to execute. It is recommended to turn this log on.
Apply Configuration	File Path: DESKTOP-E8M1P63-slow.log 🗠 Seconds: 10
	Ø Bin Log The binary log contains all database events and is used for replication and data recovery operations. Enabling the log has a performance impact on the server. Enter the log name without a file extension. File Path: DESKTOP-E8M1P63-bin < Back Next > Cancel

12 In the Advanced Options page, accept the default settings. Click Next.

NySQL Installer	- 🗆 X
MySQL. Installer MySQL Server 8.0.18	Advanced Options
High Availability Type and Networking	Server ID: 1 A unique numeric identifier used in a replication topology. If binary logging is enabled, a Server ID must be specified.
Authentication Method	Lower Case.
Accounts and Roles	This option sets the configuration variable lower_case_table_names = 1. Preserve Given Case:
Windows Service	This option sets the configuration variable lower_case_table_names = 2.
Logging Options	
Advanced Options	
Apply Configuration	
	< Back Next > Cancel

13 In the **Apply Configuration** page, click **Execute**.



14 When the screen displays the configuration was successful text, click Finish.

NySQL Installer	×
MySQL. Installer MySQL Server 8.0.18	Apply Configuration The configuration operation has completed. Configuration Steps Log
High Availability Type and Networking Authentication Method Accounts and Roles Windows Service Logging Options	 Writing configuration file Updating Windows Firewall rules Adjusting Windows service Initializing database (may take a long time) Starting the server Applying security settings Updating the Start menu link
Apply Configuration	The configuration for MySQL Server 8.0.18 was successful. Click Finish to continue.
	Einish

15 In the Product Configuration page, click Next.

D		
MySQL. Installer	Product Configuration	
Adding Community	We'll now walk through a configuration	wizard for each of the following products.
Choosing a Setup Type	You can cancel at any point if you wish products.	to leave this wizard without configuring all the
Select Products and Features	Product	Status
Installation	MySQL Server 8.0.18	Configuration complete.
Product Configuration		
Installation Complete		
	K	

16 Click Finish in the Installation Complete page.

Installing and setting up a MySQL ODBC

About this topic

This topic describes how to install and set up a data source in MySQL ODBC (open database connectivity) for the VWorks Inventory Editor.

During the MySQL ODBC connection setup you will:

- Import the VWorks database schema into MySQL. This sets up the database table structure for use by the VWorks Inventory Editor.
- Create, define, and configure new ODBC data source so that MySQL can access data in the database.

Importing the database schema

To import the database schema:

1 Copy the following database schema file:

vworks_mysql_8.0.sql

Note: This file is installed with the VWorks software in the folder: C:\\Program Files (x86)\Agilent Technologies\VWorks\Schema\

Paste the copy into the following folder:

C:\\Program Files\MySQL\MySQL Server 8.0\bin\

📙 💆 📙 🖛 bin			– 🗆 ×
File Home Share View			~ 🔞
← → × ↑ 📙 « Program Files > MySQL > MySQ	. Ser	ver 8.0 → bin v 🖑 Search bin	م
	^	Name	Date modified
MySQL Server 8.0		📧 mysqlimport.exe	9/20/2019 8:23 AM
🔒 bin		📧 mysqlpump.exe	9/20/2019 8:23 AM
docs		mysqlrouter.exe	9/20/2019 8:23 AM
etc		🚳 mysqlrouter_http.dll	9/20/2019 3:47 PM
include		mysqlrouter_keyring.exe	9/20/2019 8:23 AM
lib		mysqlrouter_passwd.exe	9/20/2019 8:23 AM
		mysqlrouter_plugin_info.exe	9/20/2019 8:23 AM
share		📧 mysqlshow.exe	9/20/2019 8:23 AM
NVIDIA Corporation		📧 mysqlslap.exe	9/20/2019 8:23 AM
🔥 Realtek		📧 perror.exe	9/20/2019 8:23 AM
Reference Assemblies		vworks_mysql_8.0.sql	2/14/2020 10:12 AM
Uninstall Information		zlib_decompress.exe	9/20/2019 8:24 AM 🗸
	\checkmark	<	>
44 items 1 item selected 7.59 KB			

- **2** Open a Command Prompt window, as follows:
 - a In the C:\Windows\System32 folder, right-click **cmd.exe**, and then select **Run as administrator**.
 - **b** Click **Yes** in the **User Account Control** dialog box that opens.



3 Execute the following lines in the Command Prompt window:

cd c:\program files\mysql\mysql server 8.0\bin <enter>

mysql -u root -p < vworks_mysql_8.0.sql <enter>



When prompted for password, enter agilent.

Make sure no errors occur while executing this command.

Creating ODBC connections

To create ODBC connections:

1 Open the ODBC Data Source Administrator to create ODBC connections, as follows:

In the C:\Windows\SysWOW64 folder, right-click **odbcad32.exe**, and then select **Run as administrator**. The ODBC Data Source Administrator (64-bit) dialog box opens.

🔜 🕑 📑 🖛 SysWOW64					-		×	:
File Home Share View							\sim	0
← → ∽ ↑ 📙 → This PC → Local Disk (C:) → Windo	ows	> SysWOW64 >	~ Ō	Search SysWOW	/64		P	
✓ 📙 SysWOW64	^	Name	^		Date	modifie	d	^
0409		occache.dll			9/15	/2018 12	:29 A!	
AdvancedInstallers		🚳 ocsetapi.dll			9/15	/2018 12	:29 AI	1
AppLocker		🚳 odbc32.dll			9/15	/2018 12	:29 AI	P.
ar-SA		odbcad32.exe			9/15	/2018 12	:29 AI	М
bg-BG		odbcbcp.dll			9/15	/2018 12	:29 AI	P.
Bthprops		dbcconf.dll			9/15	/2018 12	:29 AI	۸
		odbcconf.exe			9/15	/2018 12	:29 AI	ř.
> catroot		odbcconf.rsp			9/15	/2018 12	:29 AI	N.
CCM		odbccp32.dll			9/15	/2018 12	:29 AI	N
> 📙 com		odbccr32.dll			9/15	/2018 12	:29 AI	1
config		dbccu32.dll			9/15	/2018 12	:29 AJ	1
		dbcint.dll			9/15	/2018 12	:29 AI	•
	\checkmark	<					>	
2,876 items							833 0	

- 2 In the ODBC Data Source Administrator dialog box:
 - **a** Remove any previously defined MySQL ODBC Driver Sources as follows:
 - Click the **User DSN** tab, select any predefined MySQL ODBC Driver Sources named velocity11, and click **Remove**.
 - Click the **System DSN** tab, select any predefined MySQL ODBC Driver Sources named velocity11, and click **Remove**.
 - **b** In the **System DSN** tab, click **Add** to create a new data source.
 - c In the Create New Data Source dialog box, select MySQL ODBC 8.0 ANSI Driver, and then click Finish.

ser DSN	System DSN	File DSN	Drivers	Tracing	Connection	Pooling	About				
System Da	ata Sources:										
Name	Platform Drive	er 🛛						Add			
								Remove			
						Create	New Dat	a Source			
									Select a driver for which you v	want to set up a d	lata source.
									Name		v ^
							-0		Name Microsoft Paradox Driver (*.c	lb)	V ^ 1
	An ODBC Sys	tem data so	ource stor	es informa	tion about h				Name Microsoft Paradox Driver (*.c Microsoft Paradox-Treiber (*.	db) .db)	V ^ 1) 1)
	An ODBC Sys A System data	tem data so a source is v	ource store	es informa all users or	tion about h				Name Microsoft Paradox Driver (*.c Microsoft Paradox-Treiber (*. Microsoft Text Driver (*.txt; *	lb) .db) .csv)	V ^ 1) 1) 1)
	An ODBC Sys A System data	tem data so a source is v	ource store	es informa all users or	tion about h h this machir				Name Microsoft Paradox Driver (*.c Microsoft Paradox-Treiber (* Microsoft Text Driver (*.txt; * Microsoft Text-Treiber (*.txt;	db) .db) .csv) *.csv)	V / 1) 1) 1) 1)
	An ODBC Sys A System data	tem data so a source is v	ource store visible to a	es informa all users or	tion about h				Name Microsoft Paradox Driver (*.c Microsoft Paradox-Treiber (* Microsoft Text Driver (*.txt; * Microsoft Text-Treiber (*.txt; MySQL ODBC 8.0 ANSI Driv	db) .db) .csv) *.csv) ver	V ^ 1) 1) 1) 1) 8
	An ODBC Sys A System data	tem data so a source is v	ource store visible to a	es informa all users or	tion about h n this machir				Name Microsoft Paradox Driver (*.c Microsoft Paradox-Treiber (* Microsoft Text Driver (*.tr.; * Microsoft Text-Treiber (*.tr.; MySQL ODBC 8.0 Unicode	db) .csv) *.csv) ver Driver	V ^ 1) 1) 1) 1) 8 8
	An ODBC Sys A System data	tem data so a source is v	purce stor risible to a	es informal all users or	tion about h this machir OK			Ŀ	Name Microsoft Paradox Driver (*.c Microsoft Paradox-Treiber (* Microsoft Text Driver (*.txt; * Microsoft Text-Treiber (*.txt; MySQL ODBC 8.0 Unicode SQL Server	db) .csv) *.csv) ver Driver	V ^ 1) 1) 1) 1) 8 8 8 1) V

3 In the MySQL Connector/ODBC Data Source Configuration dialog box that opens, define your data source as follows:

Note: You do not have to provide a port number. Use the default number displayed.

Settings for VWorks Inventor	y database
Connection Parameters	Settings
Data Source Name	VWorksInventory
Description	(optional) VWorksInventory database
TCP/IP Server	localhost
User	vworks
Password	vworks
Database	velocity11

- a Click Details to expand the dialog box.
- **b** In the **Connection** tab, select the **Enable automatic reconnect** check box.
- c In the Cursors/Results tab, select the Return matched rows instead of affected rows check box.

MySQL Connector/ODBC Data Source Configuration	MySQL Connector/ODBC Data Source Configuration X
Mysque Connector/ODBC	Musque Connector/ODBC
Connection Parameters	Connection Parameters
Data Source Name: WWorksInventory	Data Source Name: VWorksInventory
Description: (optional) VWorks Inventory database	Description: (optional) VWorks Inventory database
TCP/IP Server: localhost Port: 3306	TCP/IP Server: localhost Port: 3306
O Named Pipe:	O Named Pipe:
User: vworks	User: vworks
Password:	Pass <u>w</u> ord:
Database: velocity11 V Test	Database: velocity11 V
Connection Metadata Cursors/Results Debug SSL Misc Allow big result sets Can Handle Expired Password Use compression Enable Cleartext Authentication Enable automatic reconnecti Get Server Public Key Don't prompt when connecting Allow multiple statements Interactive Client Qharacter Set: Plugin Directory: Authentication	Connection Metadata Cursors/Results Debug Enable dynamic cursors Disable driver-provided cursor support Don't cache results of forward-only cursors Dign't cache results of forward-only cursors OK Dign't cache results of forward-only cursors OK Prefetch from server by rows at a time Ø Return matched rows instead of affected rows Enable SQL_AUTO_IS_NULL Pad CHAR to full length with space Return SQL_NULL_DATA for zero date
Details << OK Cancel Help	Details << OK <u>C</u> ancel <u>H</u> elp

4 Click Test. When the Connection Successful message appears, click OK.

5 In the **System DSN** tab, verify that the data source appears.

Jser DSN	System D	SN File	DSN	Drivers	Tracing	Connection Pooling	About		
System Da	sta Source	s:							
Name		Platform	Driver	r				A <u>d</u> d	
VWorks	/WorksInventory 32-bit M			LODBC	8.0 ANSI	Driver		<u>R</u> emove	
								Configure	
	An ODB	C System	data so	urce stor	es informa	tion about how to co	nnect to t	the indicated data pro	ovider.
<u></u> 8	A System	i data sou	rce is v	risible to a	all users of	this computer, inclus	sing NT s	ervices.	

Click **OK** to close the dialog box.

For instructions on how to connect to the database in the VWorks software, see the *VWorks Automation Control Setup Guide* for VWorks 13.

Connecting to the Inventory database

Before you start

Before you can connect to the database, you must install and configure the inventory database. To install and configure the inventory database, see the appropriate instructions:

- For MySQL 8.0.18, see "Installing MySQL" on page 2 and "Installing and setting up a MySQL ODBC" on page 14.
- For MySQL 5.7, see the VWorks 13 edition of the VWorks Automation Control Setup *Guide* (part number G5415-90067).

Procedure

To connect to the Inventory database:

- 1 In the VWorks window, click **Tools** > **Options**.
- 2 In the **Options** dialog box under **DB Setup**, verify the following, and then click **OK**. *Note*: For MySQL 5.7, no entry is required for DBUser or DBPassword.

DB Setup parameters	MySQL 8.0.18	MySQL 5.7
Enable database connection	Selected	Selected
Connection string	dsn=VWorksInventory;	dsn=velocity11;
DBUser	vworks	
DBPassword	vworks	

	Options 2↓	?	×
	DB Setup		-
	Enable database connection:		
	Connection string:	dsn=VWorksInventory	
	DBUser:	vworks	
	DBPassword:	*****	
	Error Handling		
	Halt on low disk space:		
	Disk space threshold (0 - 100 %):		
	Scheduler error behavior:	Processes as many plates as possible	
	Deadlock behavior:	Show the System State Editor	
	Launch program if error occurs:		
	Program to launch if error occurs:		•
Er	able database connection:		
		OK Car	ncel

In This Book

This addendum to the VWorks Setup Guide describes how to install and configure MySQL 8.0.18 for VWorks 13.1.7.

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