

GenomeLab System Software

Installation Guide

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Contents

1 Introduction	4
2 Paquiramente	5
2 Required Equipment	
Required Equipment	ວ
	5
Computer Requirements	5
Validated Controller Configuration	
3 Installation Instructions	6
Change the Configuration Settings	6
Install SQL Server 2019 Express	7
Install SQL Server 2008	
Verify the SQL Server Services and Configuration	
Install Microsoft Office 2010 Professional 32 Bit	27
Install the NI-488.2 Driver	
Install the GenomeLab System Software	
Install EulaManager	
Contact Us	
Customer Training	
Online Learning Center	
Purchase Supplies and Reagents	
SCIEX Support	
CyberSecurity	37
Documentation	
Doomonation	

This guide provides procedures to configure the SCIEX-supplied computer, install supporting software, and install the GenomeLab System software.

Note: If a non-SCIEX-supplied computer is used, correct operation of the software cannot be guaranteed or supported.

For information about new software features, enhancements, and known issues, refer to the document: *Release Notes*, which is included with the software package.

Required Equipment

The GenomeLab System software DVD is required.

Operating System Requirements

This version of the software is compatible with Microsoft Windows 10, 64-bit. For computer requirements, refer to the section: Computer Requirements.

Computer Requirements

The computer must meet the minimum requirements for Microsoft Windows 10 LTSC Build Version 1809. The installation uses approximately 3.2 GB of disk space. The configuration of the validated controller is included for reference. Refer to the section: Validated Controller Configuration.

A connection to the Internet is required to download updated Microsoft drivers.

Validated Controller Configuration

Item	Details
Operating system	Microsoft Windows 10 Enterprise LTSC
CPU	Intel Core i7-10700 Processor (16 MB cache, up to 4.70 GHz with Turbo Boost)
Random access memory (RAM)	16 GB (8+8) DDR4 2933 MHz UDIMM
Hard drive	500 GB, 7200 RPM
Monitor	Integrated Graphics
USB ports	4 front, 4 rear
Ethernet adapters	Integrated Ethernet

Table 2-1 Validated Controller Configuration

Change the Configuration Settings

Make these changes before starting the installation.

- 1. Log on to the Windows 10 computer as an Administrator.
- 2. Change the notification settings.
 - a. From the Windows Start menu, click Control Panel and then click User Accounts.
 - b. Click Change User Account Control settings.
 - c. Move the slider to the bottom position, **Never Notify**.
 - d. Click **OK**. A security warning dialog opens.
 - e. Click Yes.
 - f. Restart the computer.
- 3. Disable sleep/screen mode.
 - a. Right-click the desktop, and then click **Display settings**.
 - b. Click Power & sleep.
 - c. In the Screen section, from the When plugged in, turn off after list, select Never.
 - d. In the Sleep section, from the **When plugged in, PC goes to sleep after** list, select **Never**.
 - e. Click Additional power settings.
 - f. Click Change plan settings.
 - g. In the Settings (minutes) Hard disk field, type 0 (zero).
 - h. Click OK.
- 4. Make sure that the correct Windows features are turned on.
 - a. Click the Windows Type here to search field, and then type Turn Windows features on or off.
 - b. Make sure that .NET Framework 3.5 and .NET Framework 4.7 are selected.

Figure 3-1 Windows Features Window



c. Click OK.

Install SQL Server 2019 Express

- 1. On the GenomeLab System software DVD, browse to the file: SQLEXPR_2019_x64_ENU.exe.
- 2. Double-click the file to start the installation.
- 3. Click Installation.
- 4. Click New SQL Server standalone installation.



Figure 3-2 SQL Server Installation Center Window

- 5. Accept the license terms and conditions, and then click Next.
- 6. In the Microsoft Update and Product Updates windows, click Next.
- 7. Look at the status for the rules.
 - If the status for all rules is Passed, then click Next.
 - If the status for any rule is Failed or Skipped, then click **Cancel**, close all windows, restart the computer, and start this installation process again.

Note: It is acceptable for the status of the Windows Firewall to be Warning.

📸 SQL Server 2019 Setup			-		×
Install Rules					
Setup rules identify potentia can continue.	I problems that	t might occur while running Setup. Failures must be corrected be	efore Setup		
Install Rules	Operation	completed. Passed: 3. Failed 0. Warning 1. Skipped 0.			
Feature Selection					
Feature Rules				-	
Feature Configuration Rules	Hide de	tails <<		Re	-run
Ready to Install	View deta	iled report			
Installation Progress	Perult	Pula	Ctatus		
Complete	- Kesuit	Consistency validation for SQL Server registry keys	Dacced		
		Computer domain controller	Dacced		
		Windows Firewall	Warning		
		SOL 2010 minimum CTB for Ungrade and Side by Side Support	Dassed		
		SQL 2019 minimum CTP for opgrade and side by side support	Passeu		
		< Pack	Nexts	Cane	
		< DBCK	Next >	Canc	CI

Figure 3-3 Install Rules Window

8. Select the **Database Engine Services** check box, and then click **Next**.

🐮 SQL Server 2019 Setup			- 0	×
Feature Selection Select the Express features to i	install.			
Install Rules Feature Selection	October 10 Control	ces? <u>Download it fro</u>	om the web	
Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Features: ✓ Database Engine Services	DK	Feature description: The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Prerequisites for selected features: Already installed: Windows PowerShell 3.0 or higher Microsoft Visual C++ 2017 Redistributable Disk Space Requirements Drive C: 1003 MB required, 434619 MB available	< >
	Select All Unselect All Instance root directory: Shared feature directory: Shared feature directory (x86):	C:\Program Files\Mi C:\Program Files\Mi C:\Program Files (x8	icrosoft SQL Server\ icrosoft SQL Server\ 6)\Microsoft SQL Server\	
			< Back Next > Cancel	

9. Click Default instance, make sure that the value in the Instance ID field is MSSQLSERVER, and then click Next.

髋 SQL Server 2019 Setup					-		Х
Instance Configuratio	n						
Specify the name and instanc	e ID for the instance of S	QL Server. Instance ID	becomes part of t	he installation pa	ith.		
Install Rules	Oefault instance						
Feature Selection Feature Rules	O Named instance:	MSSQLSERVER					
Instance Configuration							
Server Configuration Database Engine Configuration	Instance ID:	MSSQLSERVER					
Feature Configuration Rules Ready to Install	SQL Server directory:	C:\Program Files\Mic	rosoft SQL Server	MSSQL15.MSSQ	LSERVER		
Installation Progress	Installed instances:						
complete	Instance Name	Instance ID	Features	Edition	١	/ersion	
				< Back	Next >	Canc	el

Figure 3-5 Instance Configuration Window

- 10. In the Server Configuration window, click Next.
- 11. Make sure that **Windows authentication mode** is clicked, click **Add Current User**, and then click **Next**.

髋 SQL Server 2019 Setup		_		×
Database Engine Config	guration			
Specify Database Engine auther parallelism, Memory limits, and l	itication security mode, administrators, data directories, TempDB, Max degree of Filestream settings.			
Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Server Configuration Data Directories TempDB MaxDOP Memory FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode Image: Configuration Mode <th>I</th> <th></th> <th></th>	I		
	Specify SQL Server administrators LNTIES\40011300 SQL Server administrated access Marcel Add Current User Add	strators s to the	have Database	
	< Back Next >		Cance	I

Figure 3-6 Database Engine Configuration Window

Note: The current user can be different for the controller. The identification will be *computer name\username*.

- 12. Click Install.
- 13. After the installation completes successfully, click **Close**.

📸 SQL Server 2019 Setup			-		\times
Complete Your SQL Server 2019 installat	ion completed successfully.				
Install Rules	Information about the Setup operation or p	possible next steps:			
Feature Selection	Feature	Status			
Feature Rules	Database Engine Services	Succeeded			
Instance Configuration	SQL Browser	Succeeded			
Server Configuration	SQL Writer	Succeeded			
Database Engine Configuration	SQL Client Connectivity SDK	Succeeded			
Feature Configuration Rules	SQL Client Connectivity	Succeeded			
Ready to Install					
Installation Progress					
Complete	Details:				
	Install successful.				
	Summary log file has been enyed to the fell				
	C:\Program Files\Microsoft SQL Server\150 \Summary BLTSL00779 20210303 15584	\ <u>Setup Bootstrap\Log\20210303_155843</u> <u>3.txt</u>			
				Close	

Figure 3-7 Complete Window

14. Make sure that SQL Server is configured and operating correctly. Refer to the section: Verify the SQL Server Services and Configuration.

Install SQL Server 2008

- 1. On the GenomeLab System software DVD, browse to the file: SQLEXPRADV_x64_ENU.exe.
- 2. Double-click the file to start the installation.
- 3. Click Installation.
- 4. Click New SQL Server standalone installation.



Figure 3-8 SQL Server Installation Center Window

- 5. Look at the status for the rules.
 - If the status for all rules is Passed, then click Next.
 - If the status for the Restart computer rule is Failed, then click **Cancel**, close all windows, restart the computer, and start this installation process again.

髋 SQL Server 2008 Setup		- 🗆 X
Setup Support Rules		
Setup Support Rules identify p corrected before Setup can cor	roblems that might occur when you install SQL Server Setup support files. Failures must be tinue.	
Setup Support Rules	Operation completed. Passed: 5. Failed 1. Warning 0. Skipped 0.	
	Hide detail <u>s</u> << <u>View detailed report</u>	<u>R</u> e-run
	Rule Status	
	Minimum operating system version Passed	
	Setup administrator Passed	
	Restart computer <u>Failed</u>	
	Windows Management Instrumentation (WMI) service Passed	
	Consistency validation for SQL Server registry keys Passed	
	Long path names to files on SQL Server installation media Passed	
	OK Cancel	Help

Figure 3-9 Setup Support Rules Window

- 6. In the Product Key window, click **Next**.
- 7. Accept the license terms and conditions, and then click **Next**.
- 8. Click Install.

Figure	3-10 S	etun Si	innort I	Files	Window
iguic	0-10 0	ciup oi	ιρροιτι	1103	

髋 SQL Server 2008 Setup				_		\times
Setup Support Files						
Click Install to install Setup Suppor	t files. To install or update SQL	Server 2008, these files are re	equired.			
Product Key	The following components a	re required for SQL Server Set	up:			
License Terms	Feature Name	Status				
Setup Support Files	Setup Support Files					
			< Back	Install	Cance	el

- 9. Look at the status for the rules.
 - If the status for all rules is Passed, then click Next.
 - If the status for any rule is Failed or Skipped, then click **Cancel**, close all windows, restart the computer, and start this installation process again.

Note: It is acceptable for the status of the Windows Firewall to be Warning.

📷 SQL Server 2008 Setup			_		\times
Setup Support Rules					
Setup Support Rules identify probl corrected before Setup can continu	lems th ue.	at might occur when you install SQL Server Setup support files. Fa	ailures must be		X
Setup Support Rules Installation Type Feature Selection	Оре	ration completed. Passed: 10. Failed 0. Warning 1. Skipped 0.			
Disk Space Requirements	Hie	de details <<		Re-r	un
Error and Usage Reporting	View	/ detailed report			
Ready to Install		Rule	Status		^
					_
Installation Progress		Fusion Active Template Library (ATL)	Passed		
Installation Progress Complete	Ø	Fusion Active Template Library (ATL) Unsupported SQL Server products	Passed Passed		
Installation Progress Complete	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency	Passed Passed Passed		
Installation Progress Complete		Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency Previous releases of SQL Server 2008 Business Intelligence Devel	Passed Passed Passed Passed		
Installation Progress Complete		Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency Previous releases of SQL Server 2008 Business Intelligence Devel Previous CTP installation	Passed Passed Passed Passed Passed		
Installation Progress Complete		Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency Previous releases of SQL Server 2008 Business Intelligence Devel Previous CTP installation Consistency validation for SQL Server registry keys	Passed Passed Passed Passed Passed Passed		
Installation Progress Complete		Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency Previous releases of SQL Server 2008 Business Intelligence Devel Previous CTP installation Consistency validation for SQL Server registry keys Computer domain controller	Passed Passed Passed Passed Passed Passed Passed		
Installation Progress Complete		Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency Previous releases of SQL Server 2008 Business Intelligence Devel Previous CTP installation Consistency validation for SQL Server registry keys Computer domain controller Microsoft .NET Application Security	Passed Passed Passed Passed Passed Passed Passed Passed		
Installation Progress Complete		Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency Previous releases of SQL Server 2008 Business Intelligence Devel Previous CTP installation Consistency validation for SQL Server registry keys Computer domain controller Microsoft .NET Application Security Edition WOW64 platform	Passed Passed Passed Passed Passed Passed Passed Passed Passed		
Installation Progress Complete		Fusion Active Template Library (ATL) Unsupported SQL Server products Performance counter registry hive consistency Previous releases of SQL Server 2008 Business Intelligence Devel Previous CTP installation Consistency validation for SQL Server registry keys Computer domain controller Microsoft .NET Application Security Edition WOW64 platform Windows PowerShell	Passed Passed Passed Passed Passed Passed Passed Passed Passed Passed		

Figure 3-11 Setup Support Rules Window

10. Select the **Database Engine Services** and **SQL Server Replication** check boxes, and then click **Next**.

Figure 3-12 Feature Selection	on Window
-------------------------------	-----------

🃸 SQL Server 2008 Setup				-		×
Feature Selection Select the Express features to inst be clustered.	all. For clustered installations, only Da	tabase Engine Servi	ces and Analysis Service	es can		
Setup Support Rules Installation Type Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Features:	ĸ	Description: Server features are i their own registry h multiple instances of	instance-awa iives. They su on a compute	re and ha pport er.	ave
	Select All Unselect All Shared feature directory:	c:\Program Files\M	icrosoft SQL Server\			
	·	< Back	Next > C	ancel	Help	

11. Click Named instance, type SQLEXPRESS2008 in the field, and then click Next.

Note: If the instance name is not correct, then the GenomeLab System software will not operate.

髋 SQL Server 2008 Setup					- 🗆 ×
Instance Configuration Specify the name and instance ID) for the SQL Server instar	nce.			
Setup Support Rules Feature Selection Instance Configuration	 Default instance Named instance: 	SQLEXPRESS200	8		
Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Instance ID: Instance root directo SQL Server directory: Installed instances:	SQLEXPRESS200 iry: C:\Program File : C:\Program File	18 s\Microsoft SQL Serv s\Microsoft SQL Serve	er\ r\MSSQL10.SQLEXPR	
	Instance MSSQLSERVER	Features SQLEngine_VNext	Edition Express	Version 15.0.2000.5	Instance ID MSSQL15.MSSQL
			< Back Nex	ct > Cancel	Help

Figure 3-13 Instance Configuration Window

12. From the Account Name list, select NT AUTHORITY\SYSTEM, and then click Next.

📆 SQL Server 2008 Setup				$- \Box \rightarrow$
Server Configuration				
Setup Support Rules Feature Selection Instance Configuration	Service Accounts Collation Microsoft recommends that	at you use a separate account for e	ach SQL Server s	ervice.
Disk Space Requirements	Service	Account Name	Password	Startup Type
Server Configuration	SQL Server Database Engir	ne TAUTHORITY\SYSTEM	~	Automatic 🗸 🗸
Database Engine Configuration				
Error and Usage Reporting		Lico the cap	a account for all	SOL Server convises
Installation Rules		Use the san	le account for all	SQL Server services
Ready to Install				
Installation Progress	These services will be conf	igured automatically where possib	le to use a low pr	rivilege account.
Complete	On some older Windows v more information, click He	ersions the user will need to specif lp.	y a low privilege	account. For
	Service	Account Name	Password	Startup Type
	SQL Server Browser	NT AUTHORITY\LOCA		Disabled \vee
	1	< Back Next	> Cano	cel Help

Figure 3-14 Server Configuration Window

13. Make sure that **Windows authentication mode** is clicked, click **Add Current User**, and then click **Next**.

髕 SQL Server 2008 Setup	_		\times
Database Engine Configue Specify Database Engine authention	uration cation security mode, administrators and data directories.		
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Account Provisioning Data Directories FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode Windows authentication mode Mixed Mode (SQL Server authentication and Windows authentication) Built-in SQL Server system administrator account Enter password: Confirm password: Specify SQL Server administrators DESKTOP-1PM8A5E\SuncelKumar.Mallela (SuncelKumar.Mallela) SQL Server administrator administrator Add Current User Add	tors have d access to	
	< Back Next > Cancel	Helj	•

Figure 3-15 Database Engine Configuration Window

Note: The current user can be different for the controller. The identification will be *computer name**username*.

14. Clear both check boxes, and then click **Next**.

髋 SQL Server 2008 Setup	– –	\times
Error and Usage Reporti	ng	
Help Microsoft improve SQL Serve	r features and services.	
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confident Microsoft may provide updates though Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. View the Microsoft policy for SQL Server privacy and data collection. Read more about Microsoft Update and Automatic Update. Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction. Send feature usage data to Microsoft. Feature usage data includes information about your	al.
	└ hardware configuration and how you use Microsoft software and services.]
	< Back Next > Cancel He	lp

Figure 3-16 Error and Usage Reporting Window

15. Make sure that the installation rules passed, and then click **Next**.

髋 SQL Server 2008 Setup	-	
Installation Rules		
Setup is running rules to determ	ine if the installation process will be blocked. For more information, click Help.	
Setup Support Rules Feature Selection	Operation completed. Passed: 7. Failed 0. Warning 0. Skipped 4.	
Instance Configuration Disk Space Requirements Server Configuration	Show details >> <u>View detailed report</u>	Re-run
Database Engine Configuration Error and Usage Reporting Installation Rules		
Ready to Install Installation Progress		
Complete		
	< Back Next > Cancel	Help

Figure 3-17 Installation Rules Window

16. Click Install.

髋 SQL Server 2008 Setup	- 🗆 ×
Ready to Install Verify the SQL Server 2008 featur	es to be installed.
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Ready to install SQL Server 2008:
	< Back Install Cancel Help

Figure 3-18 Ready to Install Window

17. After the installation completes successfully, click **Close**.

🃸 SQL Server 2008 Setup	– 🗆	\times
Complete		
Your SQL Server 2008 installation	completed successfully.	
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress	Summary log file has been saved to the following location: <u>C:\Program Files\Microsoft SQL Server\100\Setup Bootstrap\Log\20210729_045629</u> <u>\Summary_DESKTOP-1PM8A5E_20210729_045629.txt</u> Information about the Setup operation or possible next steps: Vour SQL Server 2008 installation completed successfully.	
Complete	Supplemental Information: The following notes apply to this release of SQL Server only. Microsoft Update For information about how to use Microsoft Update to identify updates for SQL Server 2008, see the Microsoft Update Web site < http://go.microsoft.com/fwlink/?LinkId=108409> at http://go.microsoft.com/fwlink/?LinkId=108409.	^
	Close Hel	•

Figure 3-19 Complete Window

18. Make sure that SQL Server is configured and operating correctly. Refer to the section: Verify the SQL Server Services and Configuration.

Verify the SQL Server Services and Configuration

This procedure is done after SQL Server 2019 Express is installed and again after SQL Server 2008 is installed.

- 1. Click the Windows Type here to search field, and then type services.
- 2. Click Services.
- When this procedure is done the first time for the SQL Server 2019 Express installation, make sure that SQL Server (MSSQLSERVER) is running. When this procedure is done for the second time for the SQL Server 2008 installation, make sure that SQL Server (SQLEXPRESS2008) is also running.

Figure 3-20 SQL Server Operation

Services (Local)	Services (Local)					
	SQL Server (SQLEXPRESS2008)	Name	Description	Status	Startup Type	Log On As
	Stop the service Pause the service	Software Protection Spot Verifier	Enables the Verifies pote Enables inte	Running	Automatic (D Manual (Trig Disabled	Network S Local Syste Network S
Restart the service		SQL Server (MSSQLSERVER)	Provides sto Provides sto	Running Running	Automatic Automatic	Local Syste Local Syste
	Description: Provides storage, processing and controlled access of data, and rapid transaction processing.	SQL Server Agent (MSSQLS SQL Server Agent (SQLEXPR SQL Server Browser	Executes jo Executes jo Provides SQ		Disabled Disabled Disabled	Network S Network S Local Service

- 4. If the SQL Server is not running, then do this:
 - a. Right-click **SQL Server (MSSQLSERVER)** or **SQL Server (SQLEXPRESS2008)**, and then click **Properties**.
 - b. Open the Log On tab.
 - c. Click Local System account.
 - d. Click Apply.
 - e. Click OK.

Figure 3-21 SQL Server Properties

SQL Server (MSSQLSERVE	ER) Properties (Local Computer) X
General Log On Recov	very Dependencies
Log on as: Local System account Allow service to int	teract with desktop
○ This account:	Browse
<u>P</u> assword:	
<u>C</u> onfirm password:	
	OK Cancel Apply

Note: This image is for the SQL Server 2019 Express installation. For the SQL Server 2008 installation, the image is different.

- 5. Close the Services window.
- 6. When this procedure is done the first time for the SQL Server 2019 Express installation, make sure that the SQL Server 2019 version is correct.
 - a. Click the Windows Type here to search field, type run, and then press Enter.
 - b. Type regedit, and then click **OK**. The Registry Editor window opens.
 - c. Browse to the folder: Computer\HKEY_LOCAL_MACHINE\SOFTWARE\ Microsoft\MSSQLServer\CurrentVersion.
 - d. Make sure that the current version is 15.0.2000.5.
- 7. When this procedure is done for the second time for the SQL Server 2008 installation, make sure that the SQL Server 2008 version is correct.
 - a. In the Registry Editor window, browse to the folder: Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Microsoft SQL Server\SQLEXPRESS2008\MSSQLServer\CurrentVersion.
 - b. Make sure that the current version is 10.0.1600.22.

Install Microsoft Office 2010 Professional 32 Bit

Microsoft Office 2010 Professional 32 bit must be installed before the GenomeLab System software is installed.

- On the GenomeLab System software DVD, browse to the file: Microsoft Office Professional Plus 2010 32-Bit English\ en_office_professional_plus_2010_x86_x64_dvd_515529.iso
- 2. Double-click the file to open it.
- 3. Type the licence activation key provided by SCIEX, and then click **Continue**.

Figure 3-22 Product Key Window



- 4. Select the **Attempt to automatically activate my product online** check box, and then click **Continue**.
- 5. Follow the installation instructions.
- 6. To change the product key, do this:
 - a. From the Windows **Start** menu, click **Control Panel** and then click **Programs and Features**.
 - b. Right-click Microsoft Office Professional 2010, and then click Change.
 - c. Click Enter a Product Key.
 - d. Type the licence activation key provided by SCIEX, and then click **Continue**.
 - e. Select the **Attempt to automatically activate my product online** check box, and then click **Continue**.

Install the NI-488.2 Driver

- 1. Close all of the computer applications except File Explorer.
- 2. On the GenomeLab System software DVD, browse to the file: NI-488.2 Driver 17.6\setup.exe.
- 3. Double-click the file to start the installation.
- 4. Click OK.
- 5. Accept the default values, and click **Unzip**.

Figure 3-23 WinZip Self-Extractor Dialog

WinZip Self-Extractor - NI4882_1760f0.exe	×
To unzip all files in NI4882_1760f0.exe to the specified folder press the Unzip button.	Unzip
Unzip to folder:	Run WinZip
ments Downloads/NI-488.2/17.6 Browse	Close
Overwrite files without prompting	About
When done unzipping open: .\setup.exe	Help

- 6. After all of the files have been extracted successfully, click **OK**.
- 7. Click Next.



Figure 3-24 NI-488.2 Introduction Window

- 8. Accept the default directory, and click **Next**.
- 9. Click **Application Development Support** and **NI-VISA 17.5** to remove those features, and then click **Next**.

Figure 3-25 NI-488.2 Features Window

17.6 NI-488.2 for Windows 17.6	
Features Select the features to install.	NATIONAL INSTRUMENTS
 NI-488.2 17.6 Contiguration and Utilities Application Development Support LabWindows/CM Support C/C++ Support Visual Basic Support DLL Direct Entry Support NET Framework 4.5.1 Languages Support NET Framework 4.5 Languages Support NET Framework 4.0 Languages Support NET Framework 4.0 Languages Support NET Framework 4.0 Languages Support NI-488.2.17.6 for LabVIEW Real-Time NI/D Trace 17.0.1 NI Measurement & Automation Explorer 17.5 	National Instruments VISA driver version 17.5. VISA provides an API for controlling VX), GPIB, Serial, PXI and other types of instruments.
۰ III ا	
Directory for NFVISA 17.5	
C:\Program Files (x86)(IVI Foundation\VISA\	Browse
Restore Feature Defaults Disk Cost	K Back Next >> Cancel

10. Clear the check box, and then click **Next**.



Figure 3-26 NI-488.2 Product Notifications Window

- 11. Click I accept the License Agreement, and then click Next.
- 12. Click I accept the above 2 License Agreement(s), and then click Next.
- 13. Accept the default setting, and click Next.



Figure 3-27 NI-488.2 Driver Software Installation Window

14. To start the installation, click **Next**.



Figure 3-28 NI-488.2 Start Installation Window

15. When the installation is complete, click **Next**, and then click **Restart**.

Install the GenomeLab System Software

- 1. In File Explorer, browse to the file: GeXP Win10 21 CFR Part 11 Version 12.1\setup.exe.
- 2. Right-click the file, and then click **Run as administrator**.
- 3. If a dialog to allow changes to the computer opens, then click **Yes**.

Note: If the configuration setting was changed to **Never Notify**, then this dialog might not open.

4. If the following dialog opens, then click **More info**, and then click **Run anyway**.

Figure 3-29 Microsoft Defender



Note: If the configuration setting was changed to **Never Notify**, then this dialog might not open.

- 5. In the GenomeLab System Setup window, click Next.
- 6. Accept the default destination drive and folder path, and click **Next**.
- 7. Use the default user name or type a new one, type SCIEX in the **Company Name** field, and then click **Next**.
- 8. Click GenomeLab (dual rail), clear the Enable Simulation mode check box, and then click Next.
- 9. When the installation is complete, click **Yes** to read the Release Notes at this time or **No** to read them at another time.
- 10. Click Yes, I want to restart my computer now, and then click Finish.
- 11. On the computer desktop, right-click the **GenomeLab System** icon seed, and then click **Properties**.
- 12. Open the Shortcut tab, and then click Advanced.
- 13. Select the Run as administrator check box, and then click OK.
- 14. Open the Compatibility tab, select the **Run this program as an administrator** check box, and then click **OK**.
- 15. Click the Windows Type here to search field, and then type software qualification.
- 16. Click the application to open it, and then click Verify Software.

17. Make sure that the verification task completes successfully, and then click Exit.

Figure 3-30 Software Qualification Completed Successfully

🕢 GenomeLab System Software Qualification - Version 5.0 (Rev. 2)	—	×
Task Verification Configurations Verify Software Product Name: GenomeLab System Product Version: 12.1.0 Description: GenomeLab GeXP Version 12.1		
Verification Progress / Status:		
CHECK registry data for module C:\CEQ System\bin\ResultViewSvc.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\SampleT abbedWindow.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\SelectionWizardSvc.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\SingleSampleSvc.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\SizeIndicatorCt.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\SizeIndicatorCt.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\SNPSvc.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\SNPSvc.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\Sort_DIgSvc.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\Sort_SglCt.ocx - [Passed] CHECK registry data for module C:\CEQ System\bin\StudySvc.ocx - [Passed]		^ A 4 ¥
==== Verify Task Completed Successfully ==== Complete GenomeLab System Software Qualification - 12.1.0		~ 🔳
<u>E</u> xit		

- 18. If the software qualification fails, then do this:
 - a. On the GenomeLab System software DVD, copy the System.oq2cfg file.
 - b. Paste the file in the C:\CEQ System\Software Qualify\ folder. If a dialog for administrator rights opens, then click **Continue**.
 - c. Do steps 15 through 17 again.
 - d. If the software qualification fails again, then contact SCIEX Technical Support at sciex.com/request-support.

Install EulaManager

- 1. On the GenomeLab System software DVD, browse to the file: EulaManager\setup.exe.
- 2. Double-click the file to start the installation. The Welcome window opens.
- 3. Click Next.
- 4. Accept the default installation destination location, and click Next.
- 5. When installation is complete, click **Close**.
- 6. Browse to the file: EulaManager\Eula\Eula.pdf.
- 7. Copy the file: Eula.pdf.
- 8. Paste the file in the folder: C:\Program Files (x86)\SCIEX\EulaManager. If a dialog for administrator rights opens, then click **Continue**.
- Browse to the file: C:\Program Files
 (x86)\SCIEX\EulaManager\EulaManager.exe.
- 10. Right-click the file.
- 11. Open the Properties/Compatibility tab.
- 12. Select the Run this program as an Administrator check box.
- 13. Click **Apply** and then **OK**.
- 14. Restart the computer.

Contact Us

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- In North America: NA.CustomerTraining@sciex.com
- In Europe: Europe.CustomerTraining@sciex.com
- Outside the EU and North America, visit sciex.com/education for contact information.

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SCIEX Support

SCIEX and its representatives maintain a staff of fully-trained service and technical specialists located throughout the world. They can answer questions about the system or any technical issues that might arise. For more information, visit the SCIEX website at sciex.com or contact us in one of the following ways:

- sciex.com/contact-us
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Documentation

This version of the document supercedes all previous versions of this document.

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To find software product documentation, refer to the release notes or software installation guide that comes with the software.

To find hardware product documentation, refer to the documentation DVD for the system or component.

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