

 **EVENT NOTIFICATION MODULE**
CONFIGURATION

Version 8.3

Event SourcesFiltersRecipientsDelivery RelaysSchedulesSubscriptionsServicesMaintenance Control?

Filters

PSE@localhost

Filters

Alarm Condition Test

OneMinute

savetest

Test Filter

Details

Tags

Conditions

Tag Filter Name *

Alarm Condition Test

Tags

Conditions

1To1000

Compression Period

60(seconds)

every minute

Compression Message

Add Filter

Remove Filter

Tag Filter to copy current settings to...

Copy

* Required FieldSave ChangesDiscard Changes

Safety information

Important information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **will result in** death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, **could result in** death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this signal word.

Please note

Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety precautions

During installation or use of this software, pay attention to all safety messages that occur in the software and that are included in the documentation. The following safety messages apply to this software in its entirety.

WARNING

UNINTENDED EQUIPMENT OPERATION

- Do not use the software for critical control or protection applications where human or equipment safety relies on the operation of the control action.
- Do not use the software to control time-critical functions because communication delays can occur between the time a control is initiated and when that action is applied.
- Do not use the software to control remote equipment without securing it with an authorized access level, and without including a status object to provide feedback about the status of the control operation.

Failure to follow these instructions can result in death or serious injury.

WARNING

INACCURATE DATA RESULTS

- Do not incorrectly configure the software, as this can lead to inaccurate reports and/or data results.
- Do not base your maintenance or service actions solely on messages and information displayed by the software.
- Do not rely solely on software messages and reports to determine if the system is functioning correctly or meeting all applicable standards and requirements.
- Consider the implications of unanticipated transmission delays or failures of communications links.

Failure to follow these instructions can result in death, serious injury, equipment damage, or permanent loss of data.

WARNING

POTENTIAL COMPROMISE OF SYSTEM AVAILABILITY, INTEGRITY, AND CONFIDENTIALITY

- Change default passwords to help prevent unauthorized access to device settings and information.
- Disable unused ports/services and default accounts to help minimize pathways for malicious attackers.
- Place networked devices behind multiple layers of cyber defenses (such as firewalls, network segmentation, and network intrusion detection and protection).
- Use cyber security best practices (for example: least privilege, separation of duties) to help prevent unauthorized exposure, loss, or modification of data and logs, or interruption of services.

Failure to follow these instructions can result in death, serious injury, and equipment damage.

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Introduction

Event Notification Module (ENM) installation is one step in the commissioning of a system. The current install allows for a great deal of flexibility including both local and remote database instances. To facilitate remote installation, the setup allows the user to choose from three install types.

- **Complete Installation**

The Event Notification Module and the SQL database will reside on the same server host and the user is required to choose an SQL instance on the local machine for the install to configure the database server.

- **Database Server**

Installs the database components on the database server for Event Notification Module. This install type must be run on a database server machine and will not install the database components on a remote machine.

NOTE: The ENM server application components are not installed during this installation.

- **Application Server**

Installs only the server application components. The user must first install the database server, in order to operate the ENM application.

For reference the following have been provided in this guide:

- **Requirements**

Hardware and Software requirements that must be met in order to install ENM.

- **Upgrades**

Upgrade cases which have been detailed for existing users.

Requirements

Please note the following system requirements when installing or using Event Management solutions.

NOTE: For server systems where SQL Server will also be installed, please refer to the SQL requirements to ensure the system is able to host both SQL and ENM.

NOTE: SQL Server must be configured to run as the NT AUTHORITY\SYSTEM account.

Hardware

Components	Minimum Required
Processor	Quad Core
Memory	4 GB
Hard Drive	150 GB
Network	

Software

Component	Required
Operating System	Windows 7 x32 Windows 7 x64 Windows 8 Windows 8.1 Windows 10 Windows Server 2008 R2 Windows Server 2012 Windows Server 2012 R2 Windows Server 2016
SQL Server	MS SQL Server 2008 R2 MS SQL Server 2012 MS SQL Server 2012 R2 MS SQL Server Express 2012 MS SQL Server 2014 MS SQL Server Express 2014 MS SQL Server 2016 MS SQL Server Express 2016
Languages	English
Schneider Electric	PowerSCADA Expert v8.2 or Power Monitoring Expert v8.2
Other	Internet Information Services Version 7.0 or later .NET Version 4.5.1 Internet Explorer 9, 10, and 11 (Non Compatibility Mode) Chrome 20+ Firefox 14+

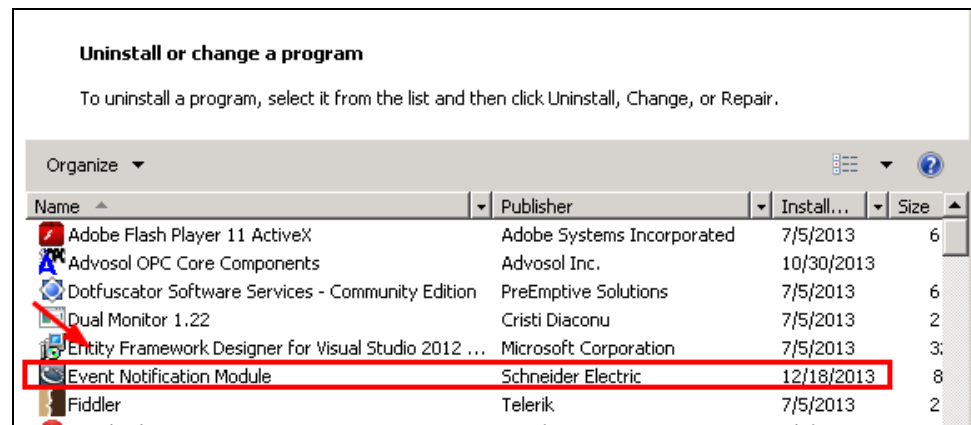
Upgrades

To upgrade a system that has an ENM 7.1 configuration to ENM 8.3.3, please see the steps that follow.

Upgrade from ENM 7.1 to ENM 8.3.3

This process will upgrade the database to a new Database Schema followed in ENM 8.3.3, automatically preserving the ENM 7.1 Database. This is an irreversible change. To use the ENM 7.1 database backup, it must be restored to another ENM 7.1 system.

1. Uninstall ENM 7.1 through Control Panel > Programs and Features.



2. Install ENM 8.3.3 by running the install executable.

NOTE: During the configuration step of the upgrade, three tasks display:

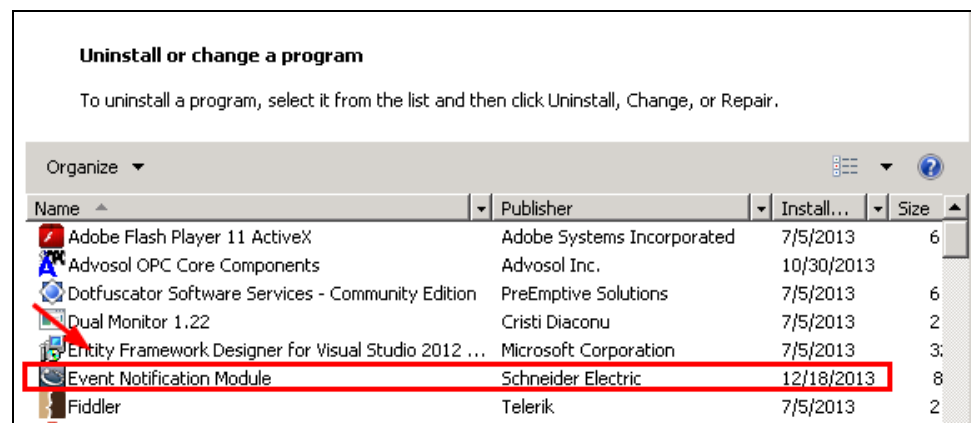
Backing Up Previous Historical Data: Backs up the PLES_AEHistory Database to the Database Location selected in the installer.

Trimming Previous Historical Data: Trims the PLES_AEHistory Database to 2,000,000 records.

Migrating Previous Historical Data: Converts the data into the new ENM 8.3.3 Schema.

Upgrade from ENM 8.x to 8.3.3

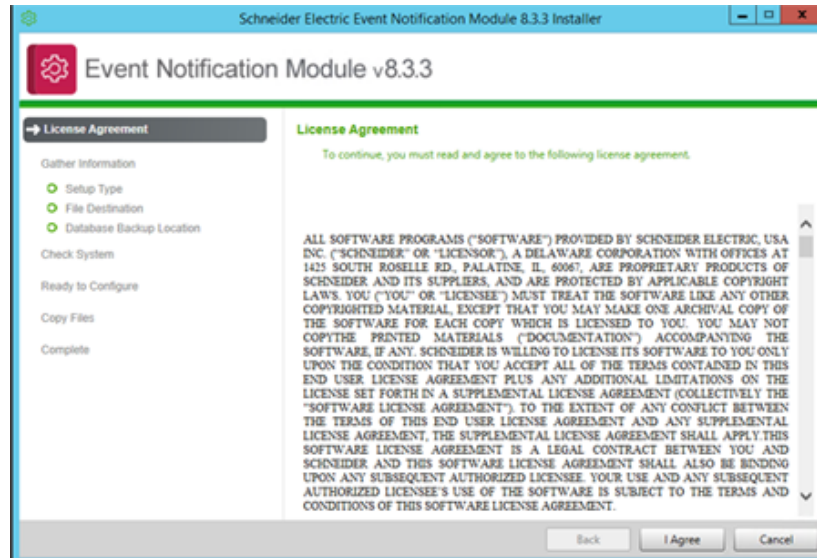
1. Uninstall ENM 8.x through the Control Panel > Programs and Features.



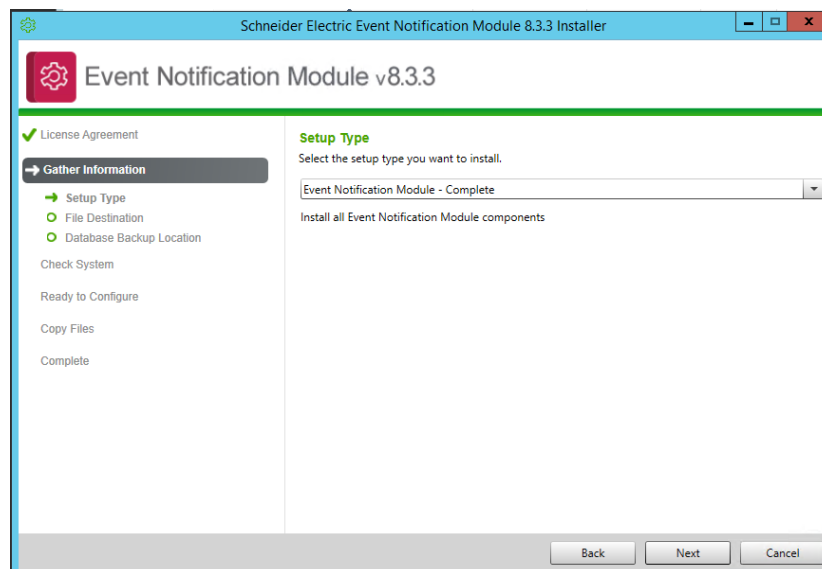
2. Install ENM 8.3.3 by running the install executable.

Installation Steps

1. To start the install, run the MainSetup.exe.
2. At the License Agreement screen, click the "I Agree" button to begin the install.

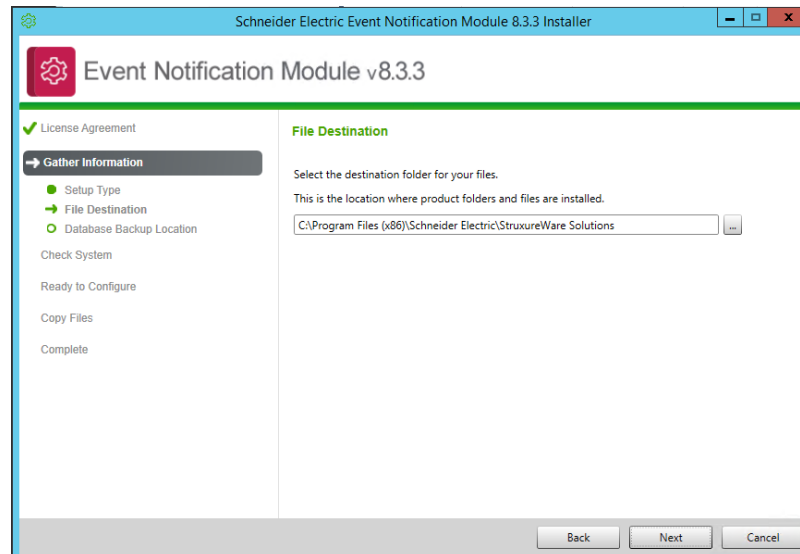


3. The Setup Type screen displays:

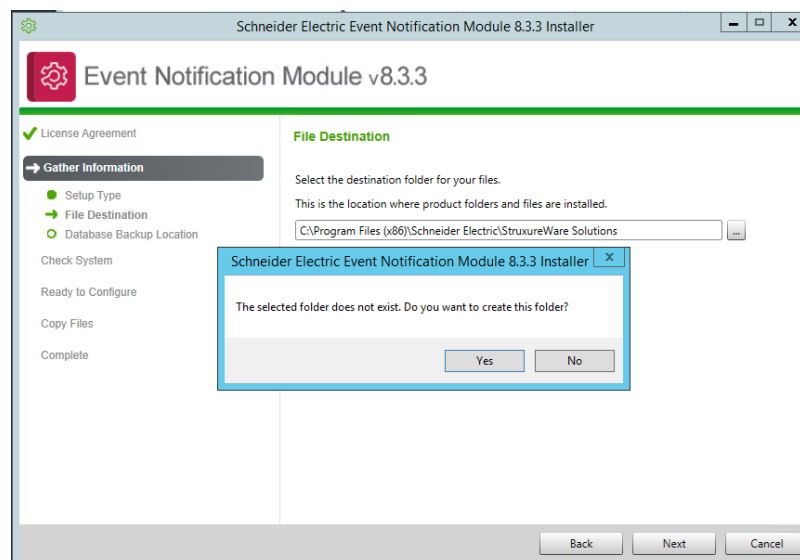


Select "Event Notification Module—Complete." Click Next.

4. The File Destination screen displays:



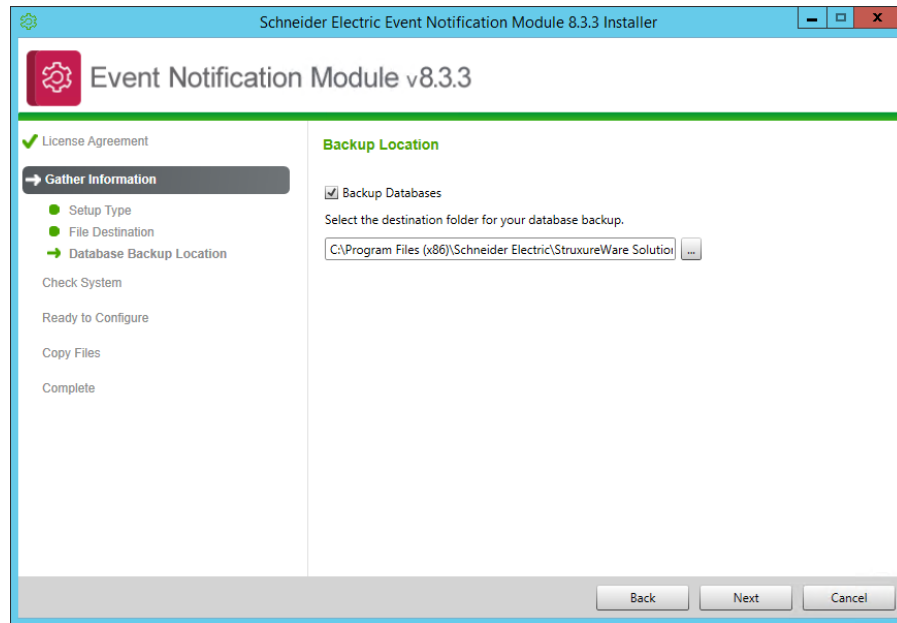
Click Next to install ENM in the default location. You are prompted to create a new folder if this is a new install.



Click Yes to allow the install to create the default folder. Or, click No, then browse to the preferred location. After you select the location, click Next.

NOTE: When installing Event Notification Module (ENM) and Sequence of Events Recorder (SER) on the same machine, they are required to share the same File Destination. Files are shared between both products that are fundamental to proper behavior. When installing on the same machine, verify the location where these products may be installed.

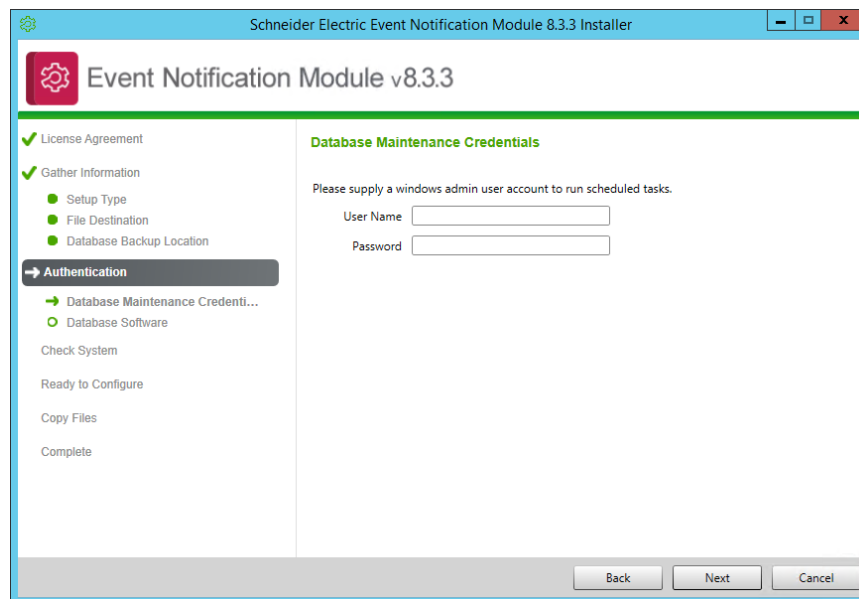
5. The Backup Location screen displays for you to choose the database location.



You can either accept the default location that is displayed or browse to a different location. Click Next after you choose the location you want.

If the location you select does not exist, you see a prompt asking whether you want to create the folder. Click Yes to proceed.

6. The Database Maintenance Credentials screen displays.

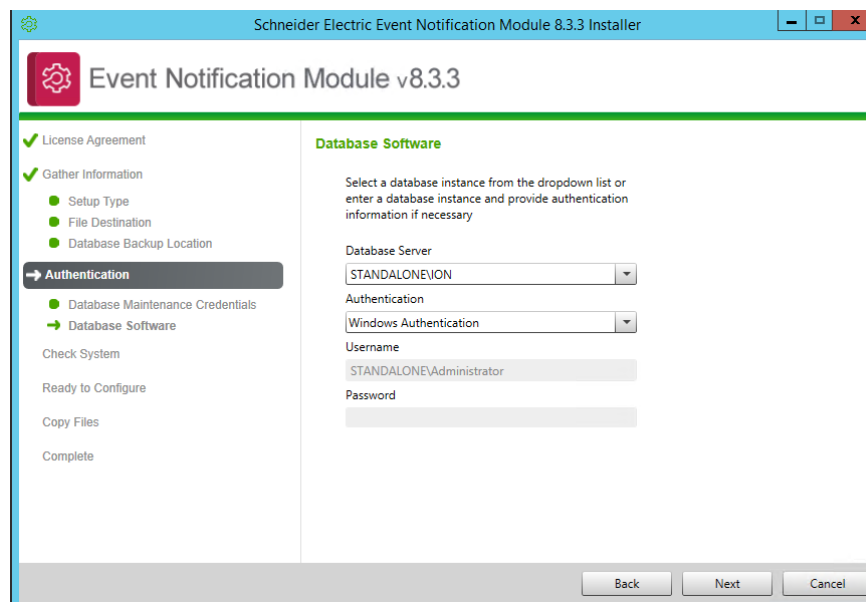


Enter credentials that belong to a Local Windows Administrator associated with the machine on which ENM is being installed. The username and password credentials will be verified in the following screen.

NOTE: A domain admin is not a supported configuration.

Click Next.

7. The Database Software screen displays:

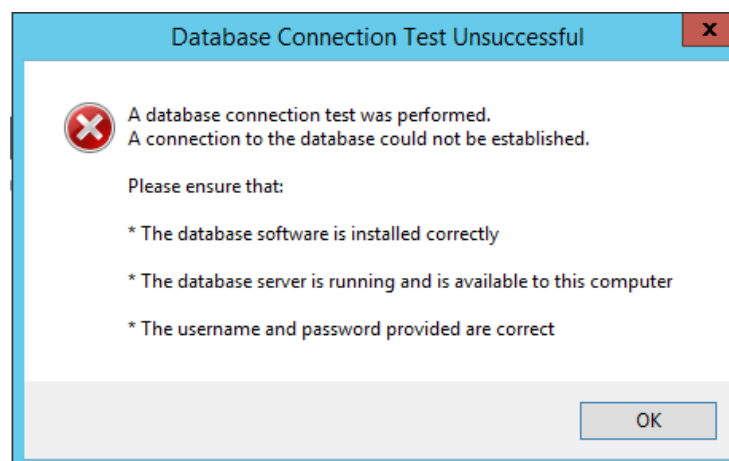


By default, the local database instance is selected. The format displayed is "machine name\database instance." Ensure that it is correct.

Enter the login credentials (username and password) associated with the database, and click Next to continue.

A progress bar displays while the credentials are verified and the connection to the database is tested.

If the credentials are invalid or if the database connection fails, an error displays. Correct the information and click Next.



8. The install begins with the Check System screen displayed.

The ENM application checks to see if the requirements are met. If there is an issue with any requirement, you are notified; the installation will not proceed until the issue is corrected. The program verifies the following:

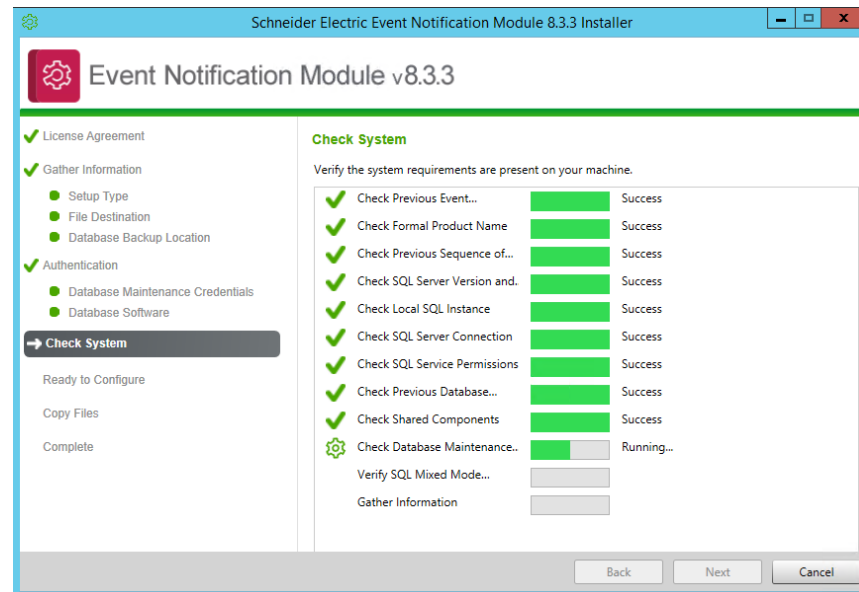
Operating System

Previous ENM installs

Formal Product Name

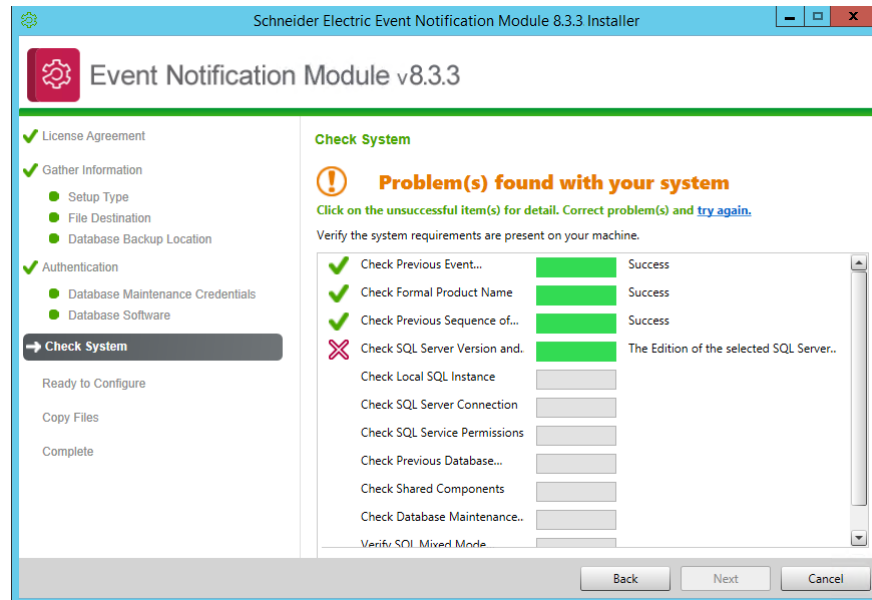
PME Version

Previous SER installs
SQL Server version
Local SQL instance
SQL Server connection
SQL Server permissions
Previous Historical Database Schema Version
.NET 4.5.1
ASP.NET
Shared Components
Database maintenance credentials
Verify SQL Mixed Mode Authentication
The install verifies the files that are to be installed.
After this has successfully completed, you see the Check System screen.



If there are no problems with the system check, skip to **step 9**.

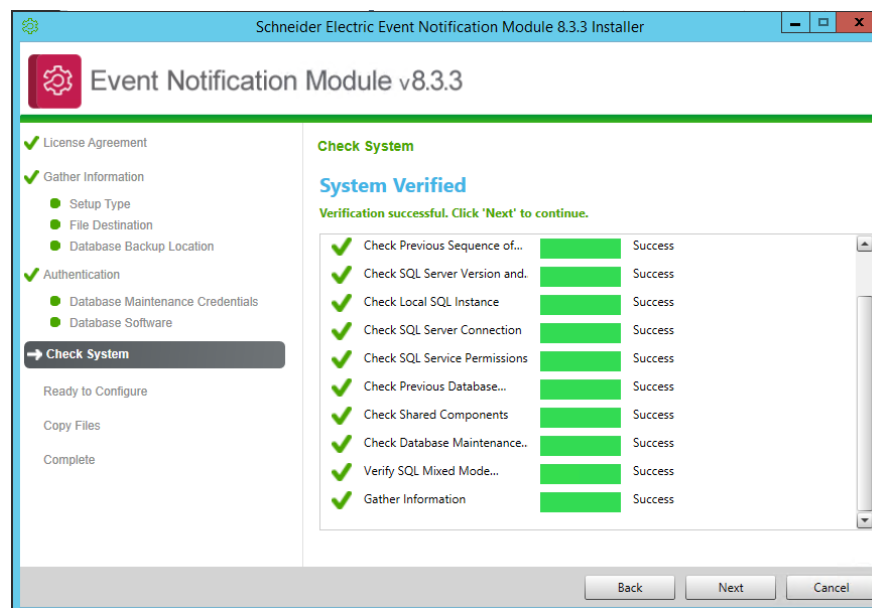
If there is a problem with any of the elements of the system check, the installation will stop. The element with the problem is indicated by a red “X” and the problem is described beside it.



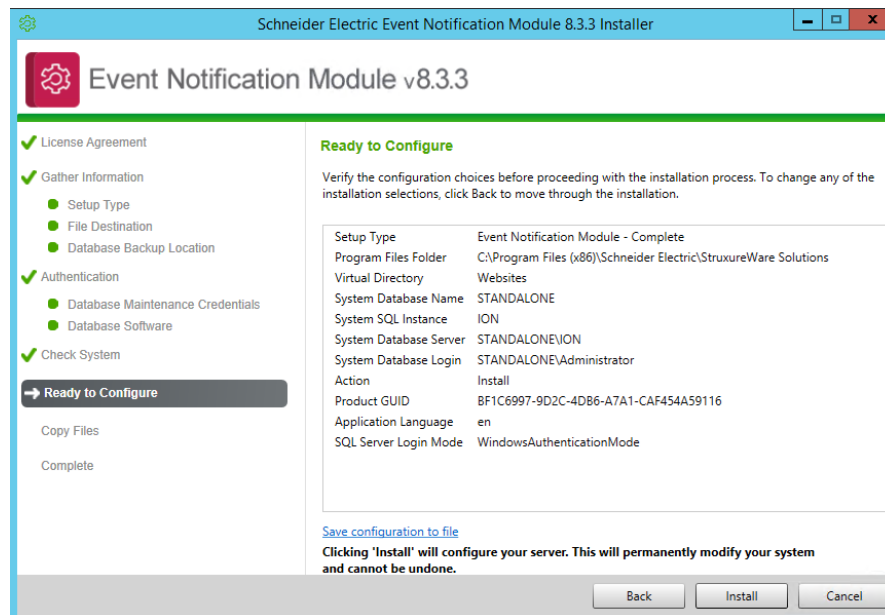
Click that line to display details about the problem . Locate and resolve the issue, then return to the install.

Click “try again” to restart the installation.

When the system check successfully completes, you see the System Verified screen.



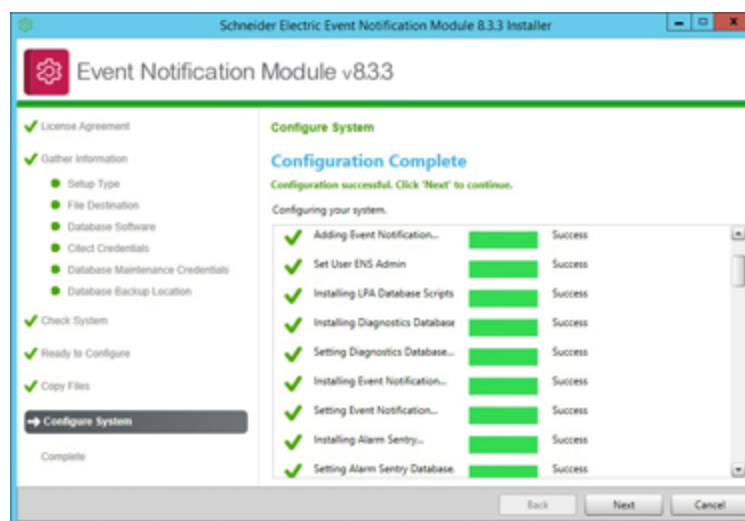
9. Click Next to display the Ready to Configure screen.



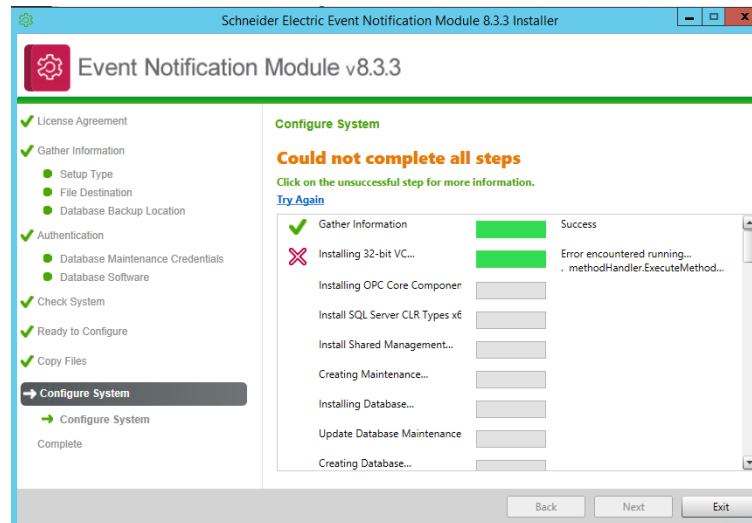
This screen lists the configuration choices that will be installed.

Verify that the choices are correct. If not, click Back to return to the related screen(s) to make necessary changes. When the configuration choices are correct for your installation, click Install.

- When the installation completes, you see the Configure System - Configuration Complete screen.



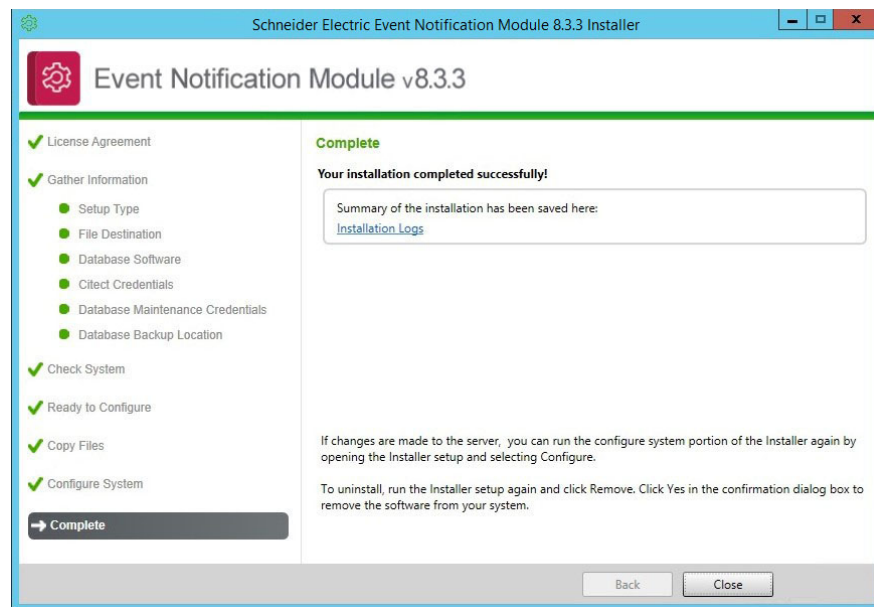
If there were any errors in the install, this screen says "Configuration Failed," and the errors are listed.



Click “Open Log” to view details about the errors so you can correct them. After all errors are corrected, click “try again” to complete the installation.

11. If there were no errors during the Configure System step, click Next.

When the installation successfully completes, the Complete screen displays.



12. If you want to see a summary of the files that have been installed, click Install Log. Click Close to end the install.

After the install, these shortcuts are pasted on your desktop:

ENM Configuration: 

Monitoring and Diagnostics: 

For help using ENM, see the ENM Configuration help file and the Monitoring and Diagnostics help file.

To launch the help file, click the question mark (?) in the upper right corner of the screen.

