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Upgrade to MS SQL Server 2016 from 2008

Applies to: NetSuite Point of Sale (NSPOS)

Follow the steps in this topic to upgrade your NetSuite Point of Sale (NSPOS) register Microsoft® (MS) SQL Server database application.

From either:

- MS SQL Server 2008 R2 (SP3) Express Edition (64 bit)
- MS SQL Server 2008 R2 RTM Express Edition with Advanced Services (64 bit)

To:

- MS SQL Server 2016 (SP2) Express Edition (64 bit)

Prerequisites

- MS Windows 8.1 or higher (64 bit) operating system
- MS .NET Framework 4.6.2 or higher
- MS SQL Server 2008 R2 (SP3) Express Edition (64 bit) or MS SQL Server 2008 R2 RTM Express Edition with Advanced Services (64 bit)

Identify your current Express version

To ensure you download the Express version currently on the register, you can either:

- Review the Server Properties within the SQL Server Management Studio

Run the `sqlcmd` command in a command line window.

1. Open a Command line (cmd.exe).
2. Enter the following commands, pressing Return after each line.
   ```bash
   sqlcmd
   select @@version;
   Go
   ```
The command window displays the Express version installed.

3. Press Ctrl + C to quit sqlcmd.
4. Exit the Command line window.

Download the MS SQL Server Installer:

   The site will show the Download link for Microsoft® SQL Server® 2016 Service Pack 2 Express

2. Select the Language and click Download.
   This action downloads the initial installer file.

3. If prompted to Run or Save, choose Save.
   Depending on your browser, the file will be saved to the Downloads folder designated in your browser settings or you might be prompted to choose a location.


5. Double-click the .exe file to begin preparing the application installer file download.
6. From the window that displays, select the Download Media option.
7. Select the preferred Language.
8. Select the Express Core option.

9. Click Download.
10. If prompted to Run or Save, choose Save.
    Depending on your browser, the file will be saved to the Downloads folder designated in your browser settings or you might be prompted to choose a location.

Install the MS SQL Server Application:

1. Locate the downloaded application installer file: SQLEXPR_x64_ENU.exe.

2. Double-click the .exe file to begin extracting the installation files.

3. Choose a directory for the installation files and click OK.
   You will need to locate the setup.exe file in that directory.
4. Double-click setup.exe from the extracted files.
5. For Installation Type, choose:
   - Upgrade from a previous version of SQL Server

6. Accept the License Terms and Privacy Statement.
7. Click Next.
8. The NSPOS team recommends checking the Use Microsoft Update to check for updates option.
9. Click Next.
10. Verify that the Instance to upgrade is MSSQLSERVER, not SQLExpress. Change the ID if needed.

![Select Instance]

11. Click Next.
12. For Service Accounts, leave the Account Name choice at the default.

⚠️ Note: The window might look different or not appear at all depending on your original MS SQL Server version.

![Server Configuration]

13. Click Next.
14. Leave the Full-text Upgrade option at the Import default.
15. Click Next.
16. Follow the on-screen steps to complete the installation.
17. Click Close.

Note: The 2008 R2 version of SQL Server Management Studio can still be used with SQL Server 2016. If required, the current version can be installed using the Install SQL Server Management Tools option in the SQL Server Installation Center.

For more information, visit the official SQL Server Management Studio website.

Next Steps

After installing the MS SQL Server, you must do a final configuration. See the help topic Configure your MS SQL Server for CLR Integration.
Configure your MS SQL Server for CLR Integration

Applies to: NetSuite Point of Sale (NSPOS)

Follow the steps in this topic to configure your NetSuite Point of Sale (NSPOS) SQL Server 2016 for CLR integration.

The Common Language Runtime (CLR) integration feature for MS SQL servers is disabled by default. You must enable it to use the NSPOS objects that are implemented using CLR integration.

To configure the SQL Server:

1. Open a Command line (cmd.exe).
2. Enter sqlcmd and press Return.

3. Enter the following commands, pressing Return after each line.

   ```sql
   sp_configure 'show advanced options', 1;
   GO
   RECONFIGURE;
   GO
   sp_configure 'clr enabled', 1;
   GO
   RECONFIGURE;
   GO
   ```

4. Press Ctrl + C to quit sqlcmd.
5. Exit the Command line window.