SQL Server 2012 Express download and installation

Scott Leonard - 2024-03-25 - Software

On later versions of Windows (e.g. Windows 10, Windows Server 2012), Microsoft no longer supports earlier versions of SQL Server Express, such as 2005 and 2008 R2, which are included with Wasp products InventoryControl, MobileAsset, and WaspTime.

As a result, Wasp's automated installers can fail to install SQL Server Express properly (with no error given), and manual installations of SQL Server Express give compatibility warnings and/or various error messages (e.g. 1935).

To work around these issues, SQL Server 2012 Express can be downloaded and installed instead. Read, understand, and follow the steps, including running the batch file (or follow the manual installation article below).

1. As noted by Microsoft, Windows needs .NET v3.5 SP1 and .NET v4.x enabled/installed before installation. These are usually enabled by default.

2. Browse to Microsoft's download page for SQL Server 2012 Express, Service Pack 3:
   https://www.microsoft.com/en-us/download/details.aspx?id=50003

3. Click the Download button, scroll down the list, and put a check in only the following file (the 9th file down), then click Next. Don't use any other file.
   ENU\x86\SQLEXPRWT_x86_ENU.exe (1.1 GB)

   Alternate, direct link to the 32-bit file (Std, Pro, Ent):
   https://download.microsoft.com/download/F/6/7/F673709C-D371-4A64-8BF9-C1DD73F60990/ENU/x86/SQLEXPRWT_x86_ENU.exe

4. Due to the size of the download, it may take a while to complete. Do not change the filename; otherwise the batch file below won't work. Save the file to your PC; don't just run the installer from the download link.

5. Download the following zip file to the same location as the SQL installer, extract it, then run the WaspAutoInstallSQL2012Exp.bat batch file (which contains preconfigured installation parameters). You must extract the batch file from the zip in order for it to work properly:
   https://dl.waspbarcode.com/kb/sql/WaspAutoInstallSQL2012Exp.zip

   If you don't use this batch file, follow the instructions in the article "Manually installing SQL Server 2008 R2 or 2012 Express" linked below in Related Pages, to manually specify the settings needed by Wasp's software installer.

   Note: The normal process keeps the command prompt window open when it completes. If the command prompt just flashes and disappears, it didn't work right; in this case troubleshoot the cause, or just follow the manual installation procedure.

6. After SQL Server 2012 Express is installed, the Wasp product's installer will normally see the existing WASPDBEXPRESS SQL instance, and install its databases into it. If you are installing the Enterprise edition of a Wasp product, and the database installer prompts for server connection information and does not automatically fill in the server name, you will need to enter the server name and instance name into the server box, like <server>\WASPDBEXPRESS. The username is sa, and the password is Wasp$07Wasp$07

Advanced User Info:

The procedure above will work for all editions of the Wasp software (Standard, Professional, and Enterprise) and for both 32-bit and 64-bit Windows. The following information is optional for advanced users with the Enterprise edition of Wasp software only.

Note 1: The Standard and Professional editions of Wasp products MUST use the 32-bit version (x86) as listed above, and will not work with the 64-bit version (x64) below. (This is true regardless of whether you have 32 or 64-bit Windows.)

Note 2: Enterprise editions of Wasp products can use the 32-bit version (x86), and also have the option of using the 64-bit version (x64), 3rd checkbox ENU\x64\SQLEXPRWT_x64_ENU.exe (1.1 GB).

Note 3: SQL Server 2014 Express also comes in both 32-bit and 64-bit editions, but Wasp has not tested (and will not) IC, MA & WT with versions later than 2012. We have no reason to believe there would be a problem with 2014.

Note 4: SQL Server 2016 and later are only available in 64-bit edition, meaning the Standard and Professional edtions of IC, MA & WT will not work with them. The Enterprise editions of IC, MA & WT are expected to work with these later SQL versions, but Wasp has not tested with them.

Alternate, direct link to the 64-bit file (Ent only). DO NOT use this for Standard or Professional editions. If you don't know what you have, use the 32-bit one above.
https://download.microsoft.com/download/F/6/7/F673709C-D371-4A64-8BF9-C1DD73F60990/ENU/x64/SQLEXPRWT_x64_ENU.exe

For 64-bit: Use this batch file instead of the one above:
https://dl.waspbarcode.com/kb/sql/WaspAutoInstallSQL2012Exp-x64.zip

extracted batch file contents

```
setup.exe /QS /IACCEPTSQLSERVERLICENSETERMS /ACTION=INSTALL /features=sql,is,tools
/INSTANCENAME=WASPDBEXPRESS /SECURITYMODE=SQL /SAPWD="Wasp$07Wasp$07"
/ISSVCSTARTUPTYPE=Automatic /BROWSERSVCSTARTUPTYPE=Automatic
/SQLSVCSTARTUPTYPE=Automatic /TCPENABLED=1 /SQLSVCACCOUNT="NT AUTHORITY\Network Service"
/SQLCOLLATION="SQL_Latin1_General_CP1_CI_AS"
pause
```

Related Content

- Manually installing SQL Server 2008 R2 or 2012 Express
- InventoryControl v7 / MobileAsset v7: SQL Server 2008 fails to install from download